


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒**APPLICATION FOR PERMIT TO DRILL**

2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				1. WELL NAME and NUMBER GCF 42-17H-11-15		
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO				3. FIELD OR WILDCAT UNDESIGNATED		
6. NAME OF OPERATOR GASCO PRODUCTION COMPANY				5. UNIT or COMMUNITIZATION AGREEMENT NAME GATE CANYON		
8. ADDRESS OF OPERATOR 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112				7. OPERATOR PHONE 303 483-0044		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-76810		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		9. OPERATOR E-MAIL jlongwell@gascoenergy.com		
12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				13. NAME OF SURFACE OWNER (if box 12 = 'fee')		
14. SURFACE OWNER PHONE (if box 12 = 'fee')				15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		
16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		
19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>		20. LOCATION OF WELL		21. COUNTY DUCHESNE		
22. DISTANCE TO NEAREST LEASE LINE (Feet) 424		23. NUMBER OF ACRES IN DRILLING UNIT 1909		24. PROPOSED DEPTH MD: 19462 TVD: 14770		
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1320		26. BOND NUMBER UT-1233		27. ELEVATION - GROUND LEVEL 6801		
28. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 41-3530		29. ATTACHMENTS		30. VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES		

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN		
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER		
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP		
NAME Roger Knight		TITLE EHS Supervisor		PHONE 303 996-1803	
SIGNATURE		DATE 01/21/2010		EMAIL rknight@gascoenergy.com	
API NUMBER ASSIGNED 43013502270000		APPROVAL  Permit Manager			

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Cond	17.5	13.375	0	19462		
Pipe	Grade	Length	Weight			
	Grade H-40 ST&C	40	48.0			

CONFIDENTIAL

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	8.625	0	3500		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	40	54.5			

CONFIDENTIAL

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
I1	8.5	7	0	14770		
Pipe	Grade	Length	Weight			
	Grade Q-125 Casing/Tubing	40	32.0			

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T11S, R15E, S.L.B.&M. Set Marked Stone, Pile of Stones 269'54" (G.L.O.)

5278.68' (G.L.O.)

GASCO PRODUCTION COMPANY

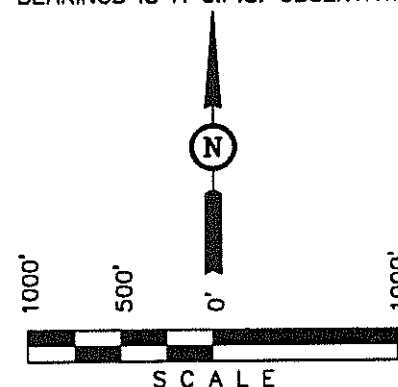
Well location, GATE CANYON FEDERAL #42-17H-11-15, located as shown in the SE 1/4 NE 1/4 of Section 17, T11S, R15E, S.L.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 14, T10S, R18E, S.L.B.&M. TAKEN FROM THE MOON BOTTOM QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5129 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT D. KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-23-09	DATE DRAWN: 10-26-09
PARTY B.B. J.R. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE GASCO PRODCUTION COMPANY	

GATE CANYON FEDERAL
#42-17H-11-15
Elev. Ungraded Ground = 6801'

NAD 83 (SURFACE LOCATION)	
LATITUDE	= 39°51'33.89" (39.859358)
LONGITUDE	= 110°15'01.51" (110.250419)
NAD 27 (SURFACE LOCATION)	
LATITUDE	= 39°51'33.82" (39.859394)
LONGITUDE	= 110°14'58.95" (110.249708)
NAD 83 (TARGET BOTTOM HOLE)	
LATITUDE	= 39°50'48.14" (39.848150)
LONGITUDE	= 110°15'18.91" (110.255253)
NAD 27 (TARGET BOTTOM HOLE)	
LATITUDE	= 39°50'46.27" (39.848186)
LONGITUDE	= 110°15'18.35" (110.254542)

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

20

BOTTOM HOLE

1771'
E 1/4 Cor. Sec. 20
Set Marked Stone, Pile of Stones

**Gasco Production Company
Gate Canyon 42-17H-11-15
SE/NE, Section #17, Township 11S, Range 15E
Duchesne, Utah
Lease No. UTU-#76810**

ONSHORE OIL & GAS ORDER NO. 1

Drilling Program

1. Estimated Tops of Important Geological Markers

Formation	Depth	Subsea
Green River	Surface	
Wasatch	3,686'	3,140'
Mesaverde	7,866'	-1,040'
Castlegate	10,456'	-3,630'
Blackhawk	10,686'	-3,860'
Spring Canyon	11,626'	-4,800'
Mancos	11,943'	-5,117'
Dakota Silt	15,828'	-9,002'
TD	15,928'	-9,102'

Confidential - Tight Hole

2. Estimated Depth of Anticipated Water, Oil, Gas or Mineral Formations

Substance	Formation	Depth
Gas	Wasatch	3,800' - 7,866'
Gas	Mesaverde	7,866' - 10,456' (TVD)
Gas	Blackhawk	10,686' - 11,943' (TVD)
Gas	Mancos	11,943' - TD (TVD)

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment

All well control equipment will be in accordance to Onshore Order No. 2 for 5M Systems and are as follows:

10,000# BOP with 4 ½" Pipe Rams
10,000# BOP with Blind Rams
5,000# Annular

Ram type preventers and associated equipment shall be tested to the approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a

test plug, if a decline on pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Pressure Control Equipment Continued

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more that once a day.

A BPOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP 53 Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling cement plugs.

The District Office will be notified, with sufficient lead time, in order to have a BLM representative on location during testing.

a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not yet been chosen to drill this well, most of the equipment for this depth will utilize 5M working BOP.

b. A choke line and kill line are to be properly installed. The kill line is not to be used as a

fill-up line.

c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.

d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

4. Proposed Casing and Cementing Program

a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones abnormally pressured zones and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations.

Determination of casing setting depth shall be based on all relevant factors including: presence/absence of hydrocarbons, fracture gradients, usable water zones, formation pressures, lost circulation zones, other minerals, or other unusual characteristics. All indications of usable water shall be reported.

b. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Grade</u>	<u>Type</u>
Conductor	350	17.5	13.375	H-40	ST&C
Surface	3,500	12.25	8.625	J-55	LT&C
Intermediate	14,770	8.5	7.0	Q125	LT&C
Production Liner	19,462	6.0	4.5	HCP-110	LT&C

c. Casing design subject to revision based on geologic conditions encountered.

d. Cement Program

	<u>Est. Top of Cement</u>	<u>Cement Type</u>	<u>Quantity</u>	<u>Yield</u>	<u>Supply Wt.</u>
Conductor	Surface	Type V	467	1.18	15.6
Surface	Surface	Hi-Lift	406	3.91	11
		10-2 RFC	185	1.63	14.2
Intermediate	2500'	Hi-lift	523	3.05	11.5
	2500'	50/50 poz	762	1.28	14.1
Production Liner	See Attached Diagram				

e. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

f. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.

g. The following reports shall be filed with the District Manager within 30 days after the work is completed.

1. Progress reports, form 3160-5 "Sundry Notices and Reports on Wells", must include complete information concerning:

a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.

b. Temperature or bond log must be submitted for each well where the casing cement was not circulated to the surface.

h. Auxiliary equipment to be used is as follows:

1. Kelly cock
2. A bit float
3. A sub with full opening valve.

5. **Drilling Fluids Program:**

<u>Interval</u>	<u>Type</u>	<u>Wt. (ppg)</u>	<u>Viscosity</u>	<u>pH</u>	<u>Water Loss</u>	<u>Remarks</u>
0-350'	Fresh Water	8.33	1	7	NA	
350'-3,500'	Fresh Water	8.33	1	7	NA	
3,500'- 14,770'	Fresh Water	8.33 -12	30-40	8	12-20	
14,770'-19,462'	Oil Based	12.0-12.5	30 - 40	8	12-20	

a. Sufficient quantities of mud material will be maintained on site or be readily available for the purpose of assuring well control. SPR will be recorded on a daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

b. No chromate additives will be used in the mud system on Federal lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

c. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well.

d. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

6. **Evaluation Program**

The anticipated type and amount of testing, logging and coring are as follows:

a. No drill stem tests are anticipated, if DST's are run, the following requirements will be adhered to:

Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer (AO). However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the AO. Closed chamber DST's may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

b. The logging program will consist of Schlumberger Platform Express (or equivalent) to be run from base of surface casing to TD.

c. No cores are anticipated.

d. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted no later than 30 days after the completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well tested data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

e. The anticipated completion program is as follows: Perform multistage fracs and complete all productive zones present in the wellbore. Produce all zones commingled.

f. Daily drilling and completion progress reports shall be submitted to the BLM in Vernal on a weekly basis.

7. Abnormal Temperatures and Pressures

a. The expected bottom hole pressure is 8862 psi. The maximum bottom hole temperature anticipated is 265.86 degrees Fahrenheit.

b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 10,000# BOP and rotating head.

8. Anticipated Starting Dates and Notifications of Operations

a. Drilling is anticipated to commence immediately upon approval

b. It is anticipated that the drilling of this well will take approximately 55 days.

c. The BLM in Vernal, Utah shall be notified of the anticipated date of location construction and anticipated spud date.

d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior to approval from the AO will be obtained and notification given before resuming operations.

e. The spud date will be reported orally to the AO within 48 hours of spudding. If the spudding occurs on a weekend or holiday, the report will be submitted via voice mail and/or e-mail to the AO.

f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with Vernal BLM Office, 170 South 500 East, Vernal, Utah, 84078.

g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual or undesirable events shall be reported promptly to the AO in accordance with the requirements of NTL-3A or its revision.

h. If a replacement rig is contemplated for completion operations, a "Sundry Notice" Form 3160-5 to that effect will be filed, or prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

i. Should the well be successfully completed for production, the AO will be notified when the well is placed on producing status. Written notification, e-mail or otherwise, will be sent no later than 5 days following the date on which the well is placed on production.

j. Pursuant to Onshore Order No. 7, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

k. Pursuant to NTL-4A lessees or operators are authorized to vent/flare gas during initial well evaluation test, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day authorized test period.

l. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the BLM, Vernal Field Office within 60 days of installation or first production whichever

occurs first. All site security regulations as specified in Onshore Order No.3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b.4.).

m. A first production conference will be scheduled within 15 days after receipt of the first production notice.

n. No well abandonment operations will commence without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5 will be filed within 30 days following the completion of the well for abandonment. The report will indicate where plugs were placed and the current status of the surface restoration. Final abandonment will not be approved until the surface reclamation work has been completed to the satisfaction of the AO.

o. Pursuant to Onshore Oil and Gas Order No.1, lessees and operators have the responsibility of operating in a manner which conforms with the applicable Federal laws and regulations and with the State and local laws and regulations to the extent that such laws are applicable to operations on Federal lands.

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

Phone: (435)781-4400

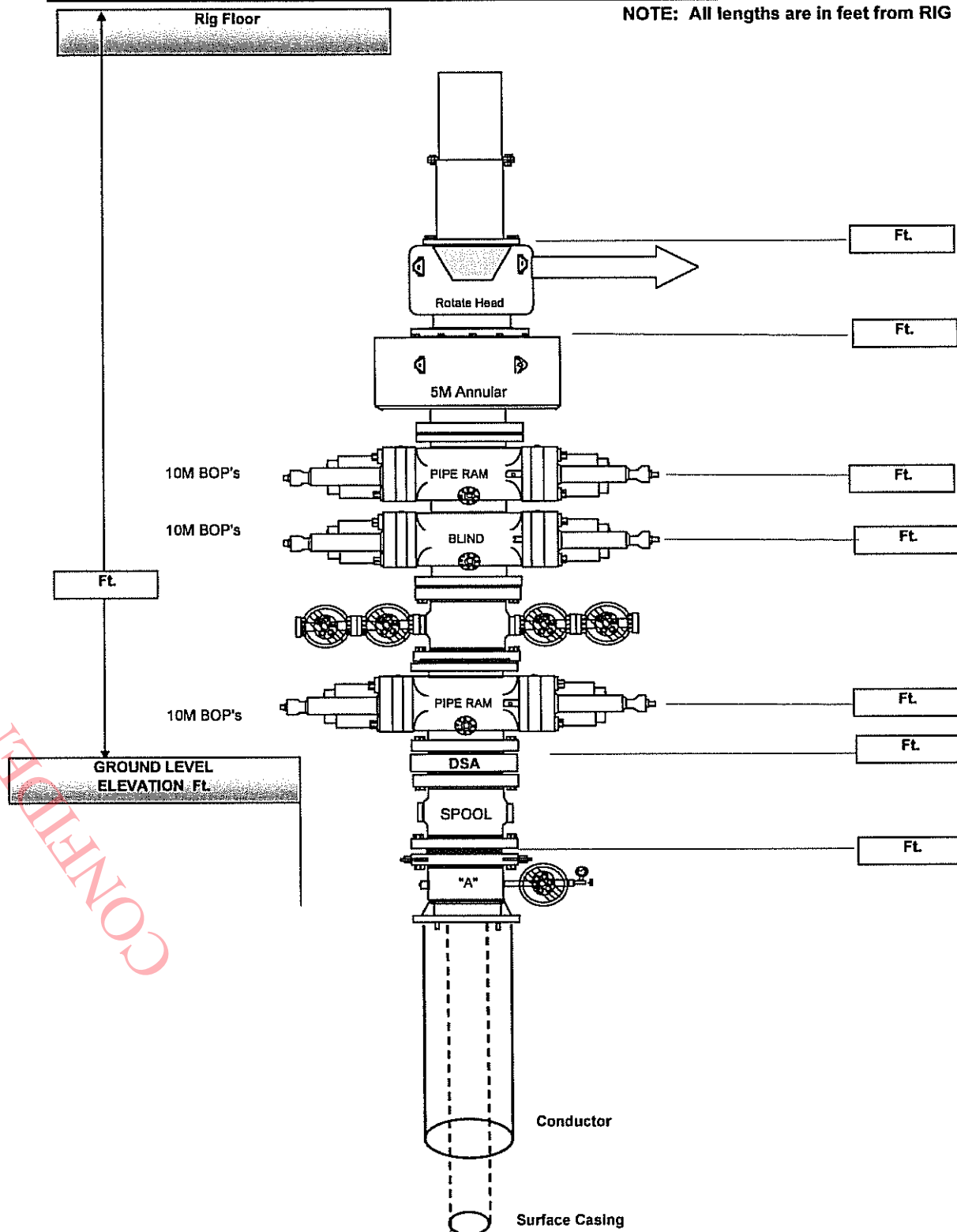
Fax: (435)781-4410

After Hours:

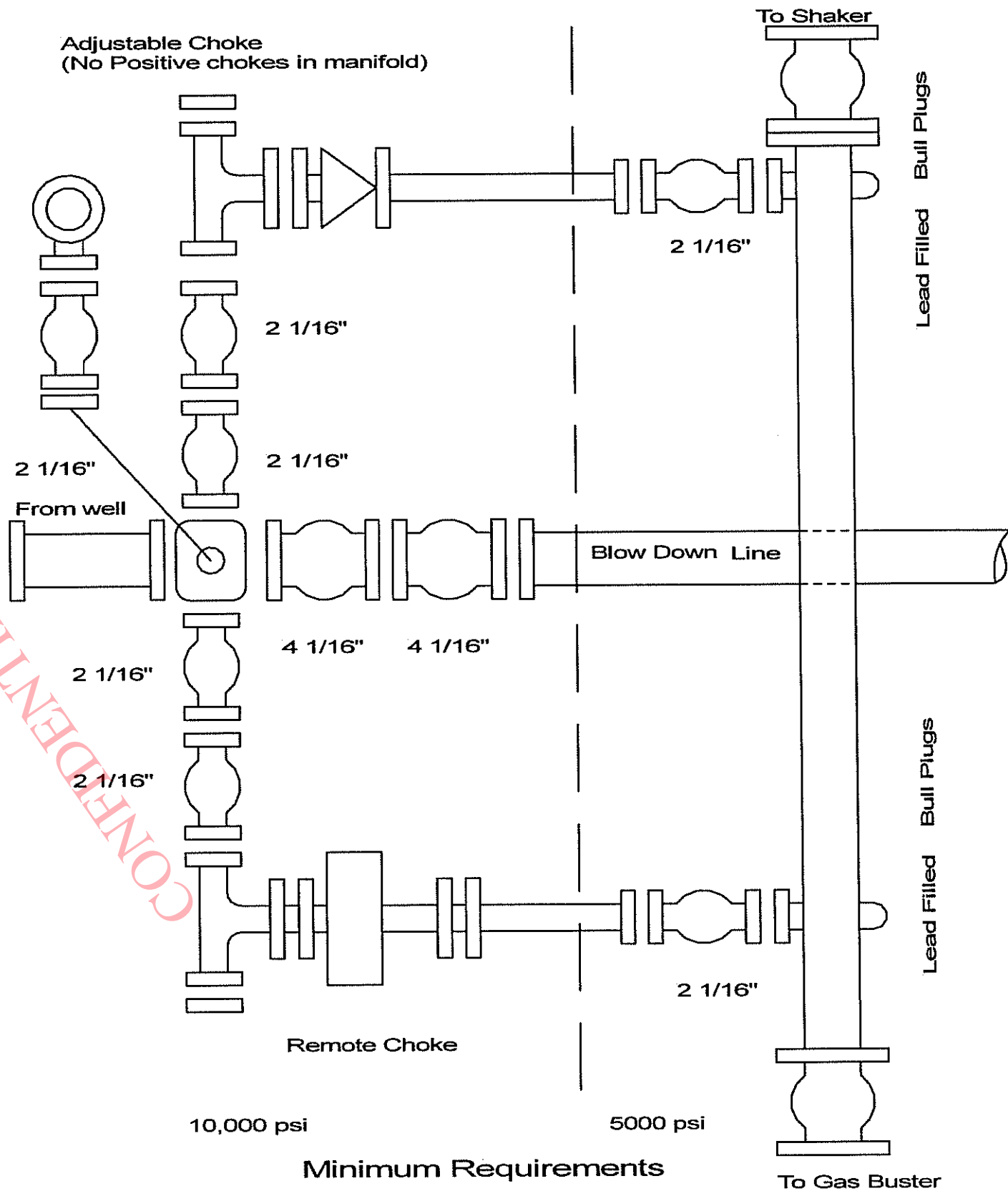
Michael Lee	Petroleum Engineer	(435)828-4470
Matt Baker	Petroleum Engineer	(435)828-7875

Gasco Energy Utah Region	DRILLING PHASE BOP Stack Diagram	River Bend Area Utah DATE: Rig:
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NOTE: All lengths are in feet from RIG FLOOR.



10,000 psi Manifold



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HUGHES

20 Stage Frac-Point Space Out Diagram

Proposed Space Out For GASCO Energy, Duchesne County, UT

Baker Oil Tools

Casing Information		
7" 32# Q-125		
Burst=		psi
Collapse=		psi
Capacity=	0.03608	bbls/ft

Liner Information		
4-1/2" 13.50# LT&C P-110		
Burst=	12,410	psi
Collapse=	10,690	psi
Capacity=	0.01493	bbls/ft

S-3 Liner Top Packer
14,150.00

Casing Shoe
15,150.00

KOP
14,250.00

Displacements	BBLS	GALS
Liner Top	510.53	21,442
3.50" Sleeve	527.87	22,170
3.375" Sleeve	531.18	22,310
3.250" Sleeve	534.48	22,449
3.125" Sleeve	537.81	22,588
3.000" Sleeve	541.12	22,727
2.875" Sleeve	544.44	22,866
2.750" Sleeve	547.75	23,005
2.625" Sleeve	551.07	23,145
2.500" Sleeve	554.39	23,284
2.375" Sleeve	557.70	23,423

Displacements	BBLS	GALS
2.250" Sleeve	561.01	23,562
2.125" Sleeve	564.32	23,702
2.000" Sleeve	567.64	23,841
1.875" Sleeve	570.95	23,980
1.750" Sleeve	574.27	24,119
1.625" Sleeve	577.58	24,258
1.500" DB Sleeve	580.90	24,398
1.375" DB Sleeve	584.21	24,537
1.250" DB Sleeve	587.53	24,676
1.125" DB Sleeve	587.53	24,676
Float Shoe	592.20	24,872

Length of Zone (Ft)			
Zone 1	232.00	Zone 11	222.00
Zone 2	222.00	Zone 12	222.00
Zone 3	222.00	Zone 13	222.00
Zone 4	222.00	Zone 14	222.00
Zone 5	222.00	Zone 15	222.00
Zone 6	222.00	Zone 16	222.00
Zone 7	222.00	Zone 17	222.00
Zone 8	222.00	Zone 18	222.00
Zone 9	222.00	Zone 19	222.00
Zone 10	222.00	Zone 20	222.00

Dimensional Information			
Component	OD	ID	DIM
S-3	5.875	3.875	IN
RE Packer	5.630	4.000	IN
Sleeves	5.630	Ball Seat	IN

TD
19,650.00

Float Collar
19,580.00

Packer #20	Packer #19	Packer #18	Packer #17	Packer #16	Packer #15	Packer #14	Packer #13	Packer #12	Packer #11	Packer #10	Packer #9	Packer #8	Packer #7	Packer #6	Packer #5	Packer #4	Packer #3	Packer #2	Packer #1	Float Shoe
15,200.00	15,422.00	15,644.00	15,866.00	16,088.00	16,310.00	16,532.00	16,754.00	16,976.00	17,198.00	17,420.00	17,642.00	17,864.00	18,086.00	18,308.00	18,530.00	18,752.00	18,974.00	19,196.00	19,418.00	19,620.00

Zone 20	Zone 19	Zone 18	Zone 17	Zone 16	Zone 15	Zone 14	Zone 13	Zone 12	Zone 11	Zone 10	Zone 9	Zone 8	Zone 7	Zone 6	Zone 5	Zone 4	Zone 3	Zone 2	Zone 1
3.50" Sleeve	3.375" Sleeve	3.250" Sleeve	3.125" Sleeve	3.000" Sleeve	2.875" Sleeve	2.750" Sleeve	2.625" Sleeve	2.500" Sleeve	2.375" Sleeve	2.250" Sleeve	2.125" Sleeve	2.000" Sleeve	1.875" Sleeve	1.750" Sleeve	1.625" Sleeve	500" DB Sleeve	375" DB Sleeve	250" DB Sleeve	125" DB S
15,311.00	15,533.00	15,755.00	15,977.00	16,199.00	16,421.00	16,643.00	16,865.00	17,087.00	17,309.00	17,531.00	17,753.00	17,975.00	18,197.00	18,419.00	18,641.00	18,863.00	19,085.00	19,307.00	19,529.00
(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280	(6) 2.280

Sleeve Shift PSI:

Bighorn Directional, Inc.

Page: 1

Gasco Production Gate Canyon Federal 42-17H-11-15 Duchesne County, Utah		Minimum of Curvature Slot Location: 7119945.75', 1991173.22' Plane of Vertical Section: 194.95°
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Measured Depth Feet	BORE Inc Degrees	HOLE Direction Degrees	True Vertical Depth Feet	RECTANGULAR COORDINATES North(-South) East(-West) Feet Feet		LAMBERT COORDINATES Y X Feet Feet		Vertical Section Feet	CLOSURES Distance Direction Feet Deg		Dogleg Severity Deg/100'
14053.91	0.00	194.95	14053.91	0.00	0.00	7119945.8	1991173.2	0.00	0.00	0.00	0.00
KOP-Start Build											
14083.91	2.40	194.95	14083.90	-0.61	-0.16	7119945.1	1991173.1	0.63	0.63	194.95	8.00
14113.91	4.80	194.95	14113.84	-2.43	-0.65	7119943.3	1991172.6	2.51	2.51	194.95	8.00
14143.91	7.20	194.95	14143.68	-5.46	-1.46	7119940.3	1991171.8	5.65	5.65	194.95	8.00
14173.91	9.60	194.95	14173.35	-9.69	-2.59	7119936.1	1991170.6	10.03	10.03	194.95	8.00
14203.91	12.00	194.95	14202.82	-15.12	-4.04	7119930.6	1991169.2	15.65	15.65	194.95	8.00
14233.91	14.40	194.95	14232.02	-21.74	-5.80	7119924.0	1991167.4	22.50	22.50	194.95	8.00
14263.91	16.80	194.95	14260.92	-29.53	-7.89	7119916.2	1991165.3	30.57	30.57	194.95	8.00
14293.91	19.20	194.95	14289.45	-38.49	-10.28	7119907.3	1991162.9	39.84	39.84	194.95	8.00
14323.91	21.60	194.95	14317.56	-48.59	-12.97	7119897.2	1991160.2	50.29	50.29	194.95	8.00
14353.91	24.00	194.95	14345.22	-59.82	-15.97	7119885.9	1991157.2	61.92	61.92	194.95	8.00
14383.91	26.40	194.95	14372.36	-72.16	-19.27	7119873.6	1991154.0	74.69	74.69	194.95	8.00
14413.91	28.80	194.95	14398.94	-85.59	-22.85	7119860.2	1991150.4	88.59	88.59	194.95	8.00
14443.91	31.20	194.95	14424.92	-100.08	-26.72	7119845.7	1991146.5	103.59	103.59	194.95	8.00
14473.91	33.60	194.95	14450.25	-115.61	-30.87	7119830.1	1991142.4	119.66	119.66	194.95	8.00
14503.91	36.00	194.95	14474.88	-132.15	-35.29	7119813.6	1991137.9	136.78	136.78	194.95	8.00
14533.91	38.40	194.95	14498.78	-149.67	-39.97	7119796.1	1991133.3	154.92	154.92	194.95	8.00
14563.91	40.80	194.95	14521.89	-168.15	-44.90	7119777.6	1991128.3	174.04	174.04	194.95	8.00
14593.91	43.20	194.95	14544.18	-187.54	-50.08	7119758.2	1991123.1	194.11	194.11	194.95	8.00
14623.91	45.60	194.95	14565.62	-207.82	-55.49	7119737.9	1991117.7	215.10	215.10	194.95	8.00
14653.91	48.00	194.95	14586.15	-228.95	-61.13	7119716.8	1991112.1	236.97	236.97	194.95	8.00
14683.91	50.40	194.95	14605.75	-250.89	-66.99	7119694.9	1991106.2	259.68	259.68	194.95	8.00
14713.91	52.80	194.95	14624.38	-273.60	-73.05	7119672.2	1991100.2	283.19	283.19	194.95	8.00
14743.91	55.20	194.95	14642.02	-297.05	-79.32	7119648.7	1991093.9	307.45	307.45	194.95	8.00
14773.91	57.60	194.95	14658.62	-321.19	-85.76	7119624.6	1991087.5	332.44	332.44	194.95	8.00
14803.91	60.00	194.95	14674.16	-345.98	-92.38	7119599.8	1991080.8	358.10	358.10	194.95	8.00

Bighorn Directional, Inc.

Page: 2

Gasco Production
Gate Canyon Federal
42-17H-11-15
Duchesne County, Utah



Minimum of Curvature
Slot Location: 7119945.75', 1991173.22'
Plane of Vertical Section: 194.95°

Measured Depth Feet	BORE Inc Degrees	HOLE Direction Degrees	True Vertical Depth Feet	RECTANGULAR COORDINATES		LAMBERT COORDINATES		Vertical Section Feet	CLOSURES		Dogleg Severity Deg/100'
				North(-South) Feet	East(-West) Feet	Y Feet	X Feet		Distance Feet	Direction Deg	
14833.91	62.40	194.95	14688.61	-371.37	-99.16	7119574.4	1991074.1	384.39	384.39	194.95	8.00
14863.91	64.80	194.95	14701.95	-397.33	-106.09	7119548.4	1991067.1	411.26	411.26	194.95	8.00
14893.91	67.20	194.95	14714.15	-423.81	-113.16	7119521.9	1991060.1	438.66	438.66	194.95	8.00
14923.91	69.60	194.95	14725.19	-450.76	-120.36	7119495.0	1991052.9	466.55	466.55	194.95	8.00
14953.91	72.00	194.95	14735.06	-478.13	-127.67	7119467.6	1991045.6	494.88	494.88	194.95	8.00
14983.91	74.40	194.95	14743.73	-505.87	-135.08	7119439.9	1991038.1	523.60	523.60	194.95	8.00
15013.91	76.80	194.95	14751.19	-533.95	-142.57	7119411.8	1991030.6	552.65	552.65	194.95	8.00
15043.91	79.20	194.95	14757.42	-562.30	-150.14	7119383.5	1991023.1	582.00	582.00	194.95	8.00
15073.91	81.60	194.95	14762.43	-590.87	-157.77	7119354.9	1991015.4	611.57	611.57	194.95	8.00
15103.91	84.00	194.95	14766.19	-619.63	-165.45	7119326.1	1991007.8	641.33	641.33	194.95	8.00
15133.91	86.40	194.95	14768.70	-648.51	-173.16	7119297.2	1991000.1	671.23	671.23	194.95	8.00
15163.91	88.80	194.95	14769.95	-677.46	-180.89	7119268.3	1990992.3	701.20	701.20	194.95	8.00
15191.41	91.00	194.95	14770.00	-704.03	-187.99	7119241.7	1990985.2	728.70	728.70	194.95	8.00
Landing / Start Reach											
15691.41	91.00	194.95	14761.27	-1187.03	-316.95	7118758.7	1990856.3	1228.62	1228.62	194.95	0.00
16191.41	91.00	194.95	14752.55	-1670.04	-445.92	7118275.7	1990727.3	1728.54	1728.54	194.95	0.00
16691.41	91.00	194.95	14743.82	-2153.04	-574.89	7117792.7	1990598.3	2228.47	2228.47	194.95	0.00
17191.41	91.00	194.95	14735.10	-2636.04	-703.86	7117309.7	1990469.4	2728.39	2728.39	194.95	0.00
17691.41	91.00	194.95	14726.37	-3119.04	-832.83	7116826.7	1990340.4	3228.32	3228.32	194.95	0.00
18191.41	91.00	194.95	14717.64	-3602.04	-961.80	7116343.7	1990211.4	3728.24	3728.24	194.95	0.00
18691.41	91.00	194.95	14708.92	-4085.05	-1090.76	7115860.7	1990082.5	4228.16	4228.16	194.95	0.00
19191.41	91.00	194.95	14700.19	-4568.05	-1219.73	7115377.7	1989953.5	4728.09	4728.09	194.95	0.00
19462.05	91.00	194.95	14695.47	-4829.49	-1289.54	7115116.3	1989883.7	4998.69	4998.69	194.95	0.00

Proposed Terminus

Final Station Closure Distance: 4998.69' Direction: 194.95°

Gasco Production

Gate Canyon Federal
42-17H-11-15
Duchesne County, Utah



Horizontal Plan
1" = 2000'



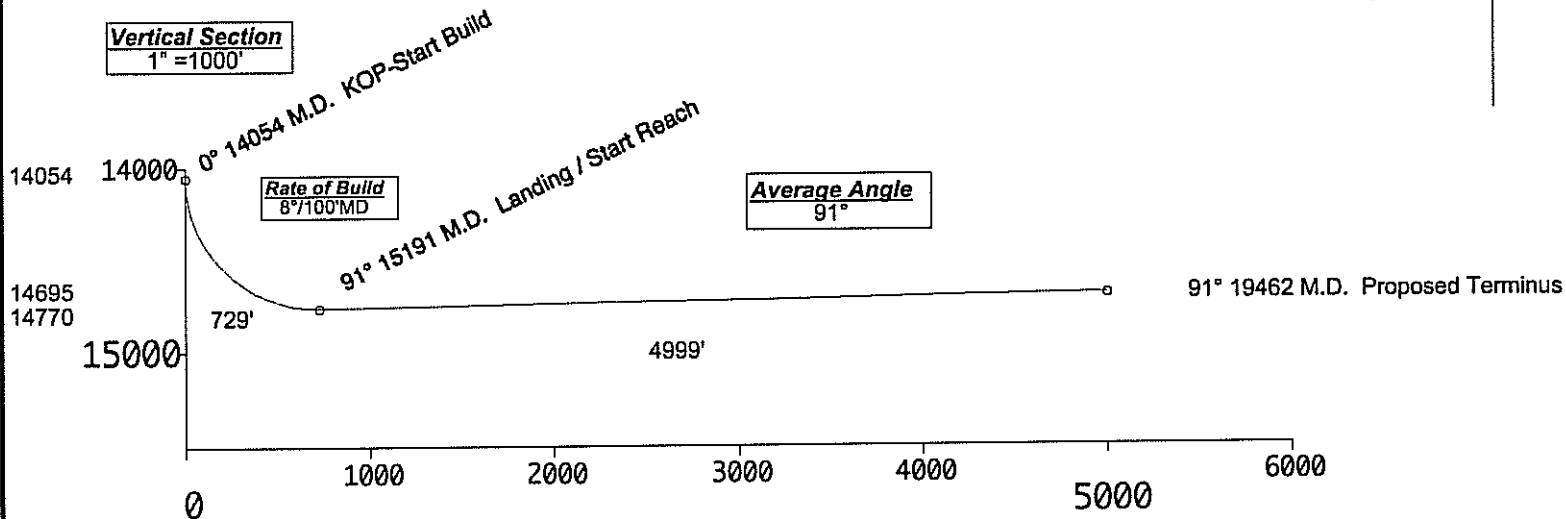
Surface Location
Lat=39 51 33.69
Long=110 15 01.51
NAD 83
Y=7119945.754'
X=1991173.220'
NAD 83

Proposed Landing
728.7' Displacement from S/L
@ 194.95° Azimuth from S/L
South-704.03' West-187.99' of S/L
TVD-14770' MD-15191'
Y=7119241.7', X=1990985.2'

Proposed Terminus
4998.69' Displacement from S/L
@ 194.95° Azimuth from S/L
South-4829.49' West-1289.54' of S/L
TVD-14695' MD-19462'
Y=7115116.3', X=1989883.7'

Plane of Proposal
194.95° Azimuth

Vertical Section
1" = 1000'



GASCO PRODUCTION COMPANY
GATE CANYON FEDERAL #42-17H-11-15
LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 17, T11S, R15E, S.L.B.&M.

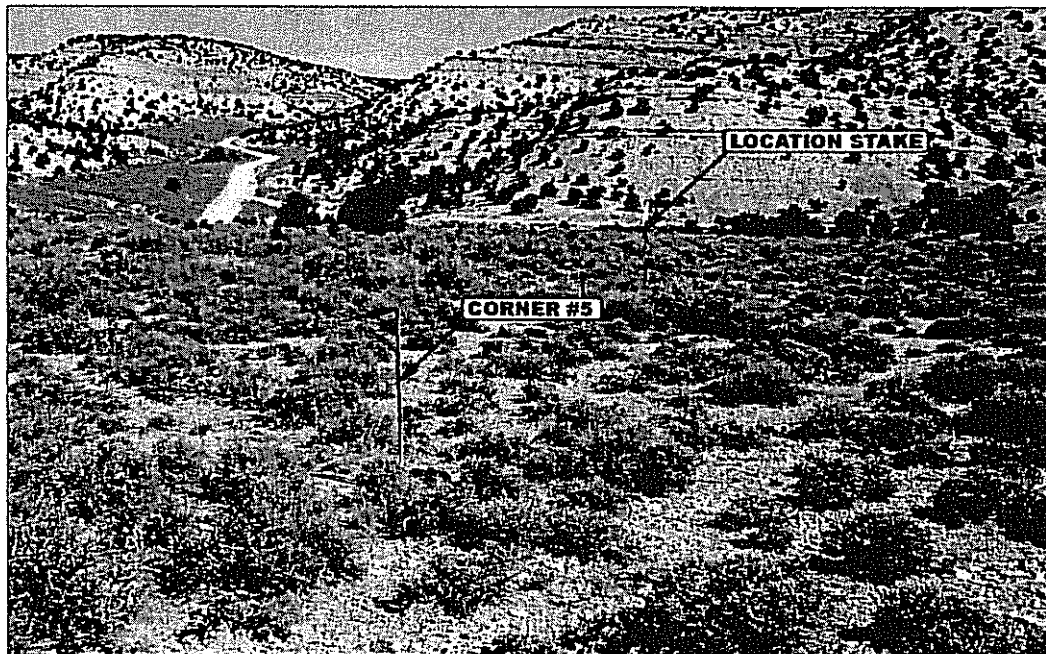


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

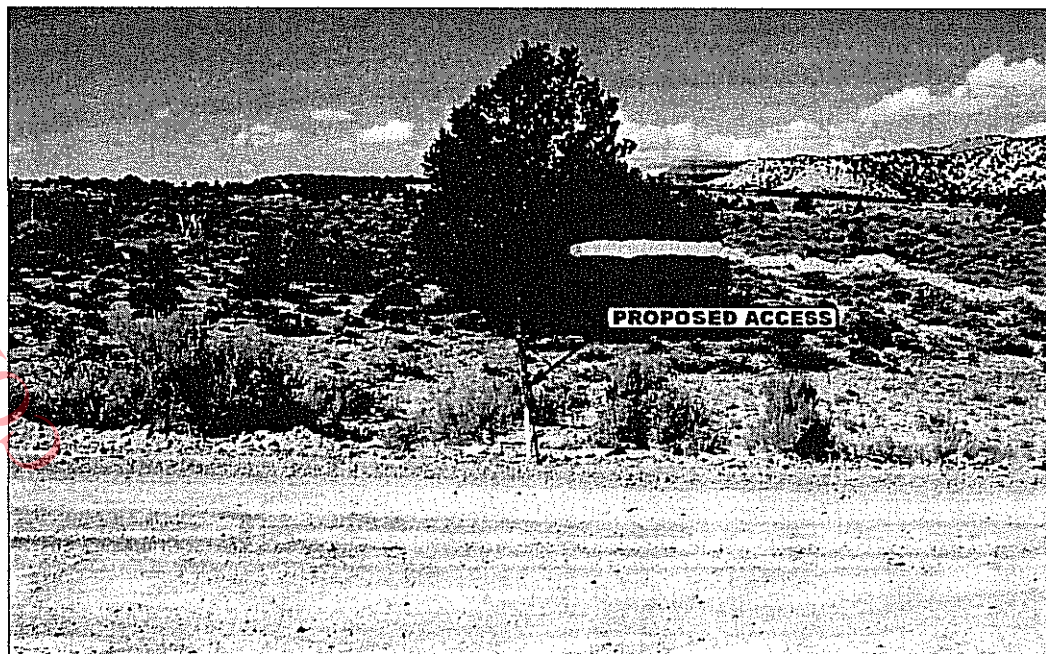


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



UELS

Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

- Since 1964 -

LOCATION PHOTOS

10 **27** **09**
 MONTH DAY YEAR

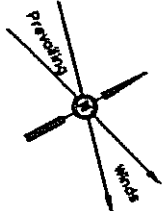
PHOTO

TAKEN BY: B.B.

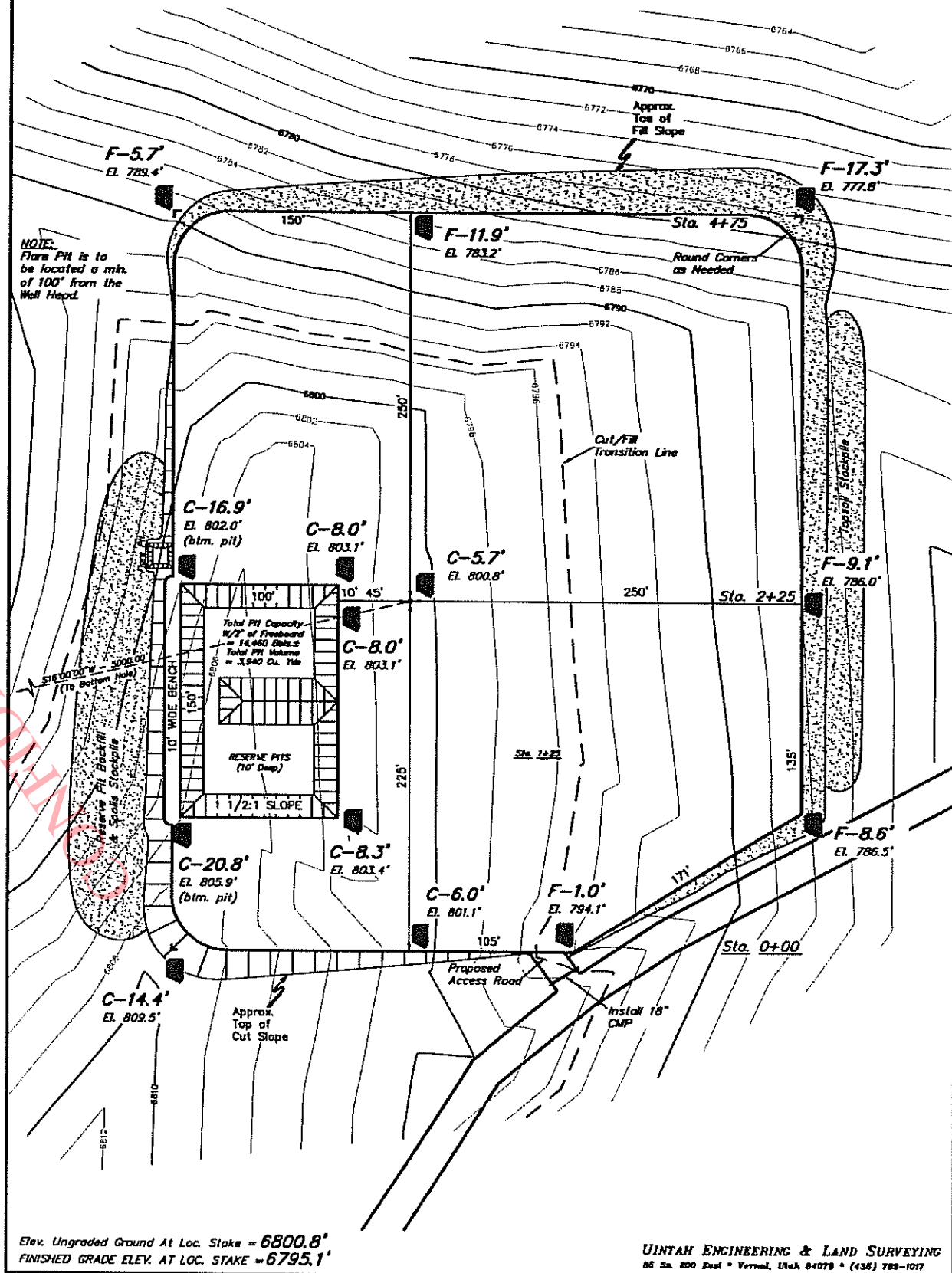
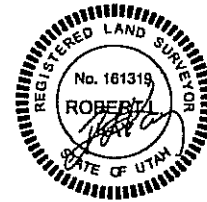
DRAWN BY: J.H.

REVISED: 00-00-00

FIGURE #1



SCALE: 1" = 60'
DATE: 10-26-09
DRAWN BY: LK

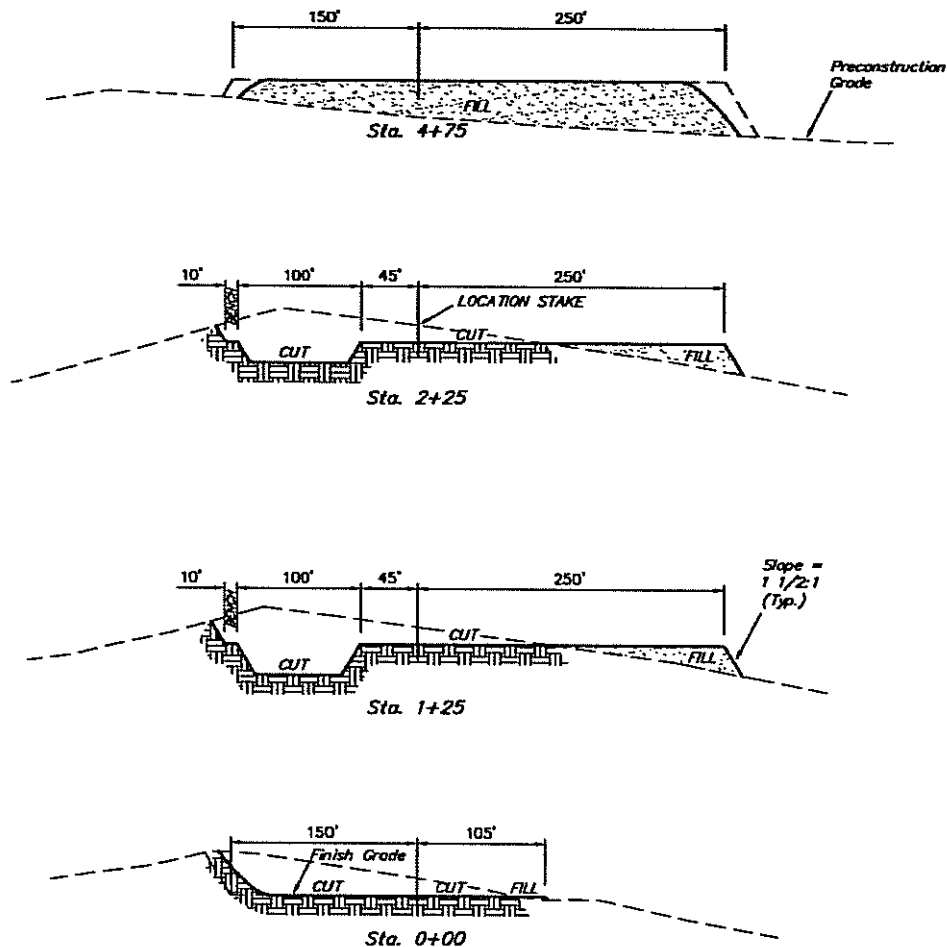
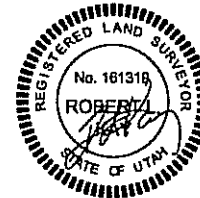


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1" = 40'
X-Section
Scale
1" = 100'
DATE: 10-26-09
DRAWN BY: L.J.C.

GASCO PRODUCTION COMPANY
TYPICAL CROSS SECTION FOR
GATE CANYON FEDERAL #42-17H-11-15
SECTION 17, T11S, R15E, S.L.B.&M.
1840' FNL 424' FEL

FIGURE #2



NOTE:

Topsail should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 5.237 ACRES
ACCESS ROAD DISTURBANCE = ± 0.014 ACRES
PIPELINE DISTURBANCE = ± 11.399 ACRES
TOTAL = ± 16.650 ACRES

*** NOTE:**

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsail Stripping = 3,970 Cu. Yds.
Remaining Location = 25,030 Cu. Yds.
TOTAL CUT = 29,000 CU.YDS.
FILL = 23,060 CU.YDS.

EXCESS MATERIAL = 5,940 Cu. Yds.
Topsail & Pit Backfill = 5,940 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

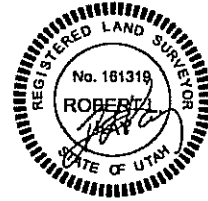
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GASCO PRODUCTION COMPANY
TYPICAL RIG LAYOUT FOR
GATE CANYON FEDERAL #42-17H-11-15
SECTION 17, T11S, R15E, S.L.B.&M.
1840' FNL 424' FEL

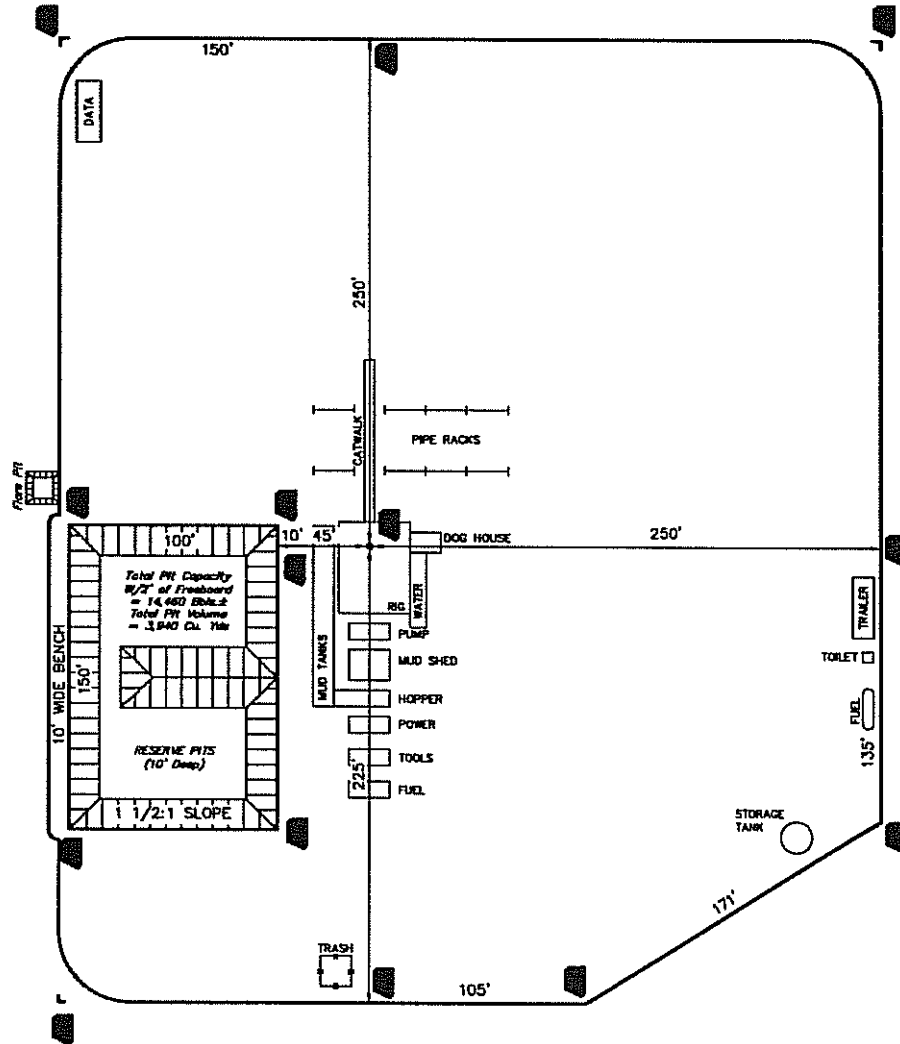
FIGURE #3



SCALE: 1" = 60'
DATE: 10-26-09
DRAWN BY: L.K.



NOTE:
Flare Pit is to
be located a min.
of 100' from the
Well Head.



PIPELINE RIGHT-OF-WAY DESCRIPTION ON STATE OF UTAH LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

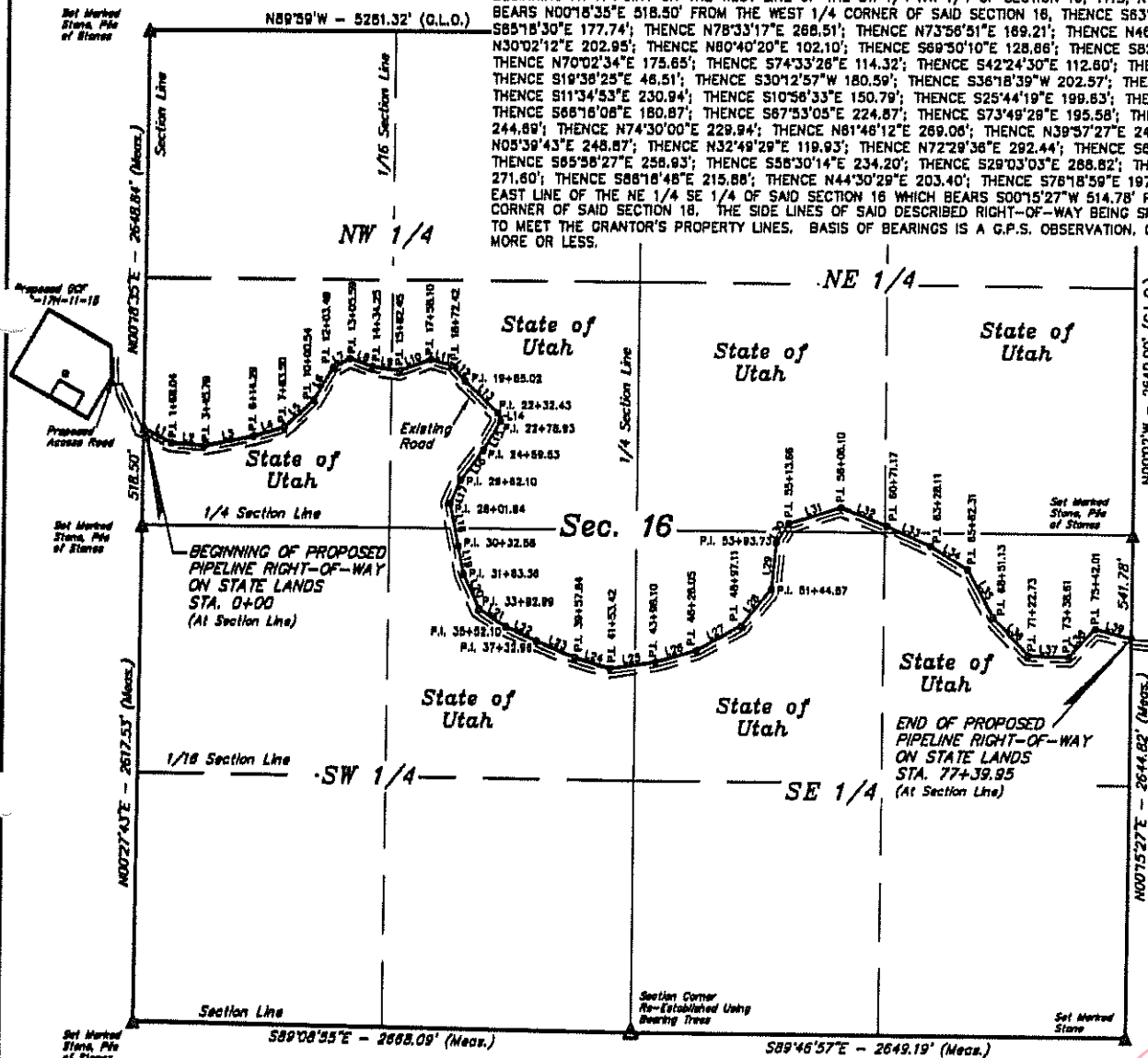
BEGINNING AT A POINT ON THE WEST LINE OF THE SW 1/4 NW 1/4 OF SECTION 16, T11S, R15E, S.L.B.&M. WHICH BEARS N00°18'35"E 518.50' FROM THE WEST 1/4 CORNER OF SAID SECTION 16, THENCE S63°22'18"E 168.04'; THENCE S65°18'30"E 177.74'; THENCE N78°33'17"E 268.51'; THENCE N73°56'51"E 189.21'; THENCE N46°29'57"E 217.04'; THENCE N30°02'12"E 202.95'; THENCE N80°40'20"E 102.10'; THENCE S69°30'10"E 128.86'; THENCE S82°35'49"E 148.20'; THENCE N70°02'34"E 175.65'; THENCE S74°33'28"E 114.32'; THENCE S42°24'30"E 112.60'; THENCE S45°38'32"E 247.41'; THENCE S19°38'25"E 46.51'; THENCE S30°12'57"W 180.59'; THENCE S36°18'39"W 202.57'; THENCE S23°20'01"W 139.54'; THENCE S11°34'53"E 230.94'; THENCE S10°58'33"E 150.79'; THENCE S25°44'19"E 199.83'; THENCE S57°15'09"E 169.11'; THENCE S68°18'08"E 180.87'; THENCE S67°53'05"E 224.87'; THENCE S73°49'28"E 195.58'; THENCE S81°43'53"E 244.89'; THENCE N74°30'00"E 228.94'; THENCE N81°46'12"E 269.06'; THENCE N39°57'27"E 247.75'; THENCE N05°39'43"E 248.87'; THENCE N32°49'29"E 119.93'; THENCE N72°29'38"E 282.44'; THENCE S68°12'51"E 285.07'; THENCE S65°58'27"E 258.93'; THENCE S58°30'14"E 234.20'; THENCE S29°03'03"E 288.82'; THENCE S44°32'39"E 271.80'; THENCE S68°18'48"E 215.88'; THENCE N44°30'29"E 203.40'; THENCE S78°18'59"E 197.95' TO A POINT ON THE EAST LINE OF THE NE 1/4 SE 1/4 OF SAID SECTION 16 WHICH BEARS S00°15'27"W 514.78' FROM THE EAST 1/4 CORNER OF SAID SECTION 16, THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES, BASIS OF BEARINGS IS A G.P.S. OBSERVATION, CONTAINS 5.331 ACRES MORE OR LESS.

GASCO PRODUCTION COMPANY

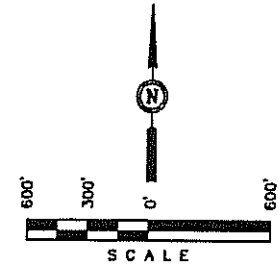
PIPELINE RIGHT-OF-WAY ON STATE OF UTAH LANDS

(For GATE CANYON
FEDERAL #42-17H-11-15)

LOCATED IN
SECTION 16, T11S, R15E,
S.L.B.&M., DUCHESNE COUNTY, UTAH



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S63°22'18"E	168.04'
L2	S65°18'30"E	177.74'
L3	N78°33'17"E	268.51'
L4	N73°56'51"E	189.21'
L5	N46°29'57"E	217.04'
L6	N30°02'12"E	202.95'
L7	N80°40'20"E	102.10'
L8	S69°30'10"E	128.86'
L9	S82°35'49"E	148.20'
L10	N70°02'34"E	175.65'
L11	S74°33'28"E	114.32'
L12	S42°24'30"E	112.60'
L13	S45°38'32"E	247.41'
L14	S19°38'25"E	46.51'
L15	S30°12'57"W	180.59'
L16	S36°18'39"W	202.57'
L17	S23°20'01"W	139.54'
L18	S11°34'53"E	230.94'
L19	S10°58'33"E	150.79'
L20	S25°44'19"E	199.83'
L21	S57°15'09"E	169.11'
L22	S68°18'08"E	180.87'
L23	S67°53'05"E	224.87'
L24	S73°49'28"E	195.58'
L25	N81°43'53"E	244.89'
L26	N74°30'00"E	228.94'
L27	N05°39'43"E	248.87'
L28	N32°49'29"E	119.93'
L29	N72°29'38"E	282.44'
L30	S68°12'51"E	285.07'
L31	S65°58'27"E	258.93'
L32	S58°30'14"E	234.20'
L33	S29°03'03"E	288.82'
L34	S44°32'39"E	271.80'
L35	S68°18'48"E	215.88'
L36	N44°30'29"E	203.40'
L37	S78°18'59"E	197.95'
L38	S00°15'27"W	514.78'
L39	S78°18'59"E	197.95'



BASIS OF BEARINGS

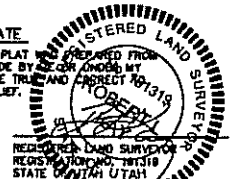
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
STATE OF UTAH	7739.95	5.331	469.09

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UTAH ENGINEERING & LAND SURVEYING
85 SOUTH - 200 EAST • (435) 789-1017
VERMILION, UTAH - 84078

SCALE 1" = 600'	DATE 10-27-09
PARTY B.B. J.R. L.K.	REFERENCES G.L.O. PLAT
WEATHER COOL	FILE 4 9 5 8 1

▲ = SECTION CORNERS LOCATED.

**Gasco Production Company
Gate Canyon 42-17H-11-15
SE/NE, Section #17, Township11S, Range15E
Duchesne, Utah
Lease No. UTU- #76810**

ONSHORE OIL & GAS ORDER NO. 1

Notification Requirements

Location Construction-	48 hours prior to construction of location and access roads
Location completion-	prior to moving on with drilling rig.
Spud Notice-	at least 24 hours prior to spudding the well.
Casing String and Cementing-	24 hours notice prior to running casing and cementing.
BOP and Related Equipment-	24 hours prior to initiating pressure tests.
First Production Notice-	Within 5 business days after new well begins or production resumes after well has been off production for more than 90 days.

The onsite inspection for the subject well site will be conducted. Weather conditions, open ground and COA's will be noted and implemented prior to any site disturbance. Attendance at the onsite will be the following individuals:

Natural Resource Specialist	Bureau of Land Management
Wildlife Biologist	Bureau of Land Management
Shon McKinnon	Permit Consultant Gasco Production Company
Surveyor	Uintah Engineer and Land Surveying

1. Existing Roads

See Attached Topographic Map "A".

Description of travel from Topos.

2. Planned Access Road

See Attached Topographic Map "B" for location of the proposed access road.

3. Location of Existing Wells

See Attached Topographic Map "C"

- a. Producing Wells -
- b. Abandoned Wells -

4. Location of Tank Batteries and Production Facilities

- a. All permanent surface equipment will be painted to BLM and UDOGM specifications.
- b. Storage tanks batteries will be surrounded by containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank within the contained area, unless more stringent requirements are necessary as notified by the AO.
- c. A production layout will be submitted via sundry upon proven productivity of the well.
- d. All loading lines will be placed inside the berm/dike surrounding the tank battery.
- e. A Gas Meter Run will be placed within 500 ft. of the wellhead. Meter runs will be housed. The oil and gas measurement equipment will be installed on the well location. Measurement equipment will be calibrated in place prior to any deliveries. Tests for accuracy will be conducted monthly for the first three months on new installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the calibration reports will be submitted to the Vernal Field Office.
- f. Any necessary pits will be properly fenced to prevent any wildlife entry.
- g. The access road will be maintained in a safe, usable condition conducive to the climate and seasonal conditions in order to accommodate daily operation of the well and prevent erosion.
- h. Pipelines, up to 6" steel or poly, will follow the proposed access as detailed in attached Topo Map "D". The pipeline will be laid on the surface except road crossings where they will be buried to a depth of 3'-5'. The method of coupling will be welded. Associated pipeline components, such as risers, pig launchers/catchers, meters, valves, etc. will be contained within the 30' needed for construction of the pipeline.

5. Location and Type of Water

- a. Water will come from: Water Right No. 41-3530.
- b. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".
- c. No water well will be drilled on this lease.

6. Source of Construction Material

- a. Any gravel used will be obtained from a commercial source.
- b. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2.3.
- c. No construction materials will be used from Federal lands.

7. Methods of Handling Waste Disposal

- a. the reserve pit will be lined with at least 16 mil liner. Unless otherwise specified by BLM or UDOGM
- b. All trash will be contained in an enclosed trash container through the drilling, completion, and facility construction phases and its contents removed and hauled to an approved disposal sight as needed.
- c. A chemical porta-toilet will be furnished through the drilling, and completion phases.
- d. After first production, produced waste water will be confined to an unlined pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval.
- e. Drill cuttings are to be contained and buried in the reserve pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.

8. Ancillary Facilities

There are no airstrips, camps or other facilities planned during the drilling of this well except for those facilities needed for drilling rig personal, service providers and company representatives.

9. Well Site Layout

See attached Location Layout Diagram

10. Plans for Restoration of Surface

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Upon completion, any hydrocarbon within the reserve pit will be removed in accordance with 43 CFR 3162.7-1.
- c. The reserve pit will be backfilled and reclaimed within 120 days from the well completion. The reserve pit liner will be perforated and excess liner removed before backfilling. Alternatively, the pit will be pumped dry, the liner folded into the pit and buried to a minimum of 4' deep.
- d. That portion of the location not needed for production facilities or operations, or any disturbed areas upon final plug and abandonment, will be re-contoured to approximate natural contours and seeded with a seed mixture and procedure specified by the AO. Additionally, the topsoil pile will be seeded with the same mixture and procedure as specified.

11. Surface Ownership

The proposed access road and well pad is on lands managed by the Bureau of Land Management.

12. Other Information

- a. An archeological survey will be conducted by an authorized Archeological Consultant prior to any disturbance based on BLM and UDOGM guidance.
- b. If historic or archeological materials are uncovered during construction, the operator will immediately stop work and contact the AO.
- c. The operator will control noxious weeds along associated well pad, roads, pipelines, and surface equipment. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted and approved prior to the application of pesticides or herbicides.
- d. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal lands after the conclusion of drilling operations or at any other time without BLM authorization.
- e. All lease and unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notices to Lessees. The operator is fully responsible for the actions of his subcontractors.
- f. A complete copy of the APD shall be on location during construction and drilling of this site.

Water Disposal

Immediately upon first production all produced water will be confined to a steel storage tank. Water will be disposed of via truck transport to a State of Utah approved disposal site, such as Brennan Bottom.

Wildlife Timing Stipulations Any required actions or planning based on state or federal agencies will be implemented.

13. Lessee's or Operators Representative

Gasco Production Company
Roger Knight EHS Representative
8 Inverness Drive East, Suite 100
Englewood, CO 80112
(303)483-0044

Shon McKinnon (Permit Coordinator)
PO Box 189
Myton, Utah 84052
(435)823-8061
(435)636-3336

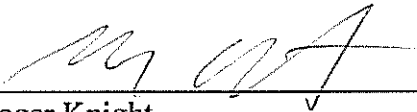
Certification

Please be advised that *Gasco Production Company* is considered to be the operator of the *Well Gate Canyon Federal 42-17H-11-15, SE/NE Section 17, T11S, R15E, Lease No. UTU-76810, Duchesne County, Utah*; and is responsible under the term and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #. UT-1233

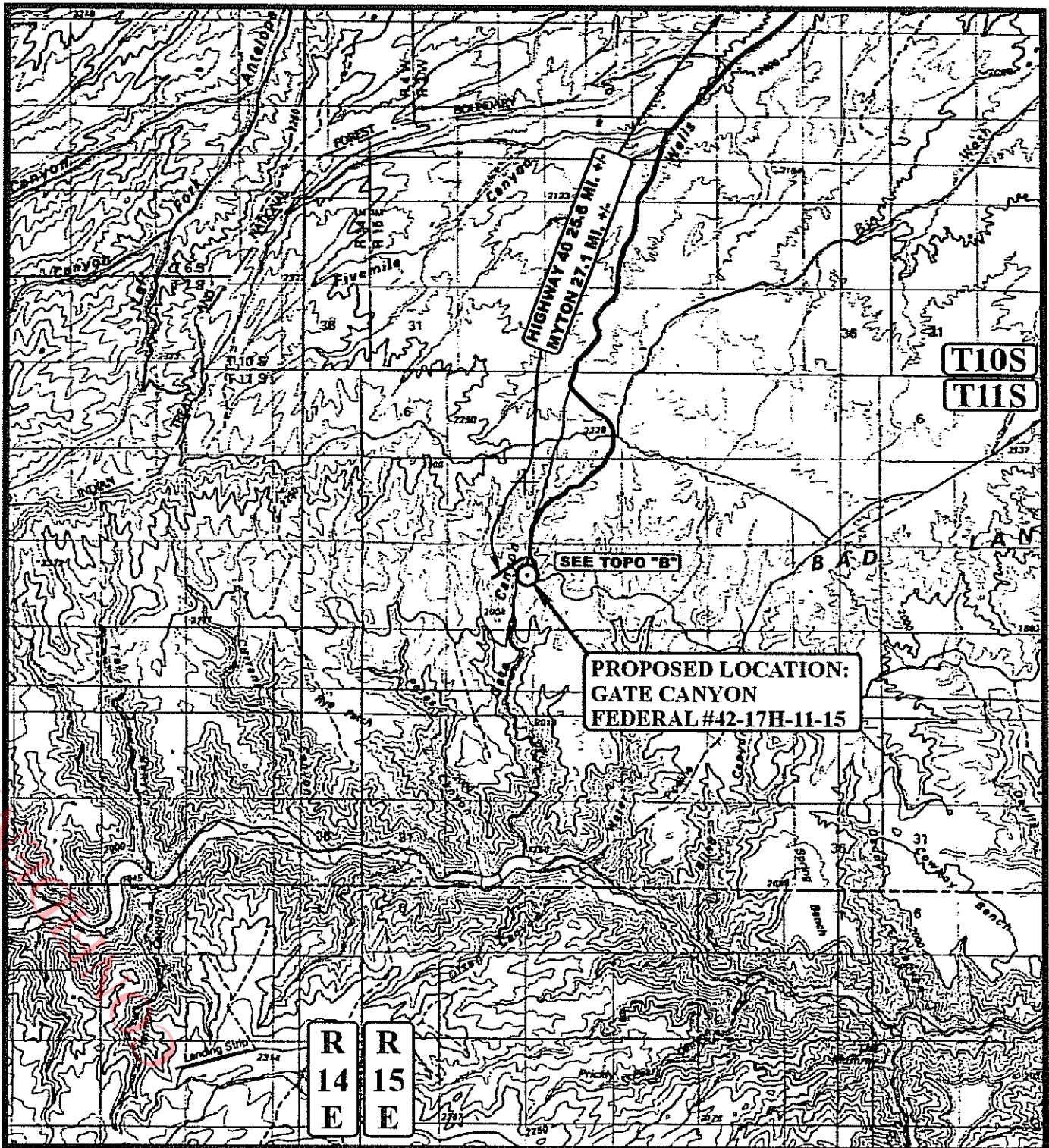
I hereby certify that the proposed drill site and access road have been inspected and I am familiar with the conditions that currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Gasco Production Company its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. The statement is subject to the provisions of 18 U.S.C. 1000 for the filing of a false statement.

12-23-09

Date



Roger Knight
Gasco Production Company



LEGEND:

⊙ PROPOSED LOCATION



GASCO PRODUCTION COMPANY

GATE CANYON FEDERAL #42-17H-11-15
SECTION 17, T11S, R15E, S.L.B.&M.
18-40' FNL 42-4' FEL



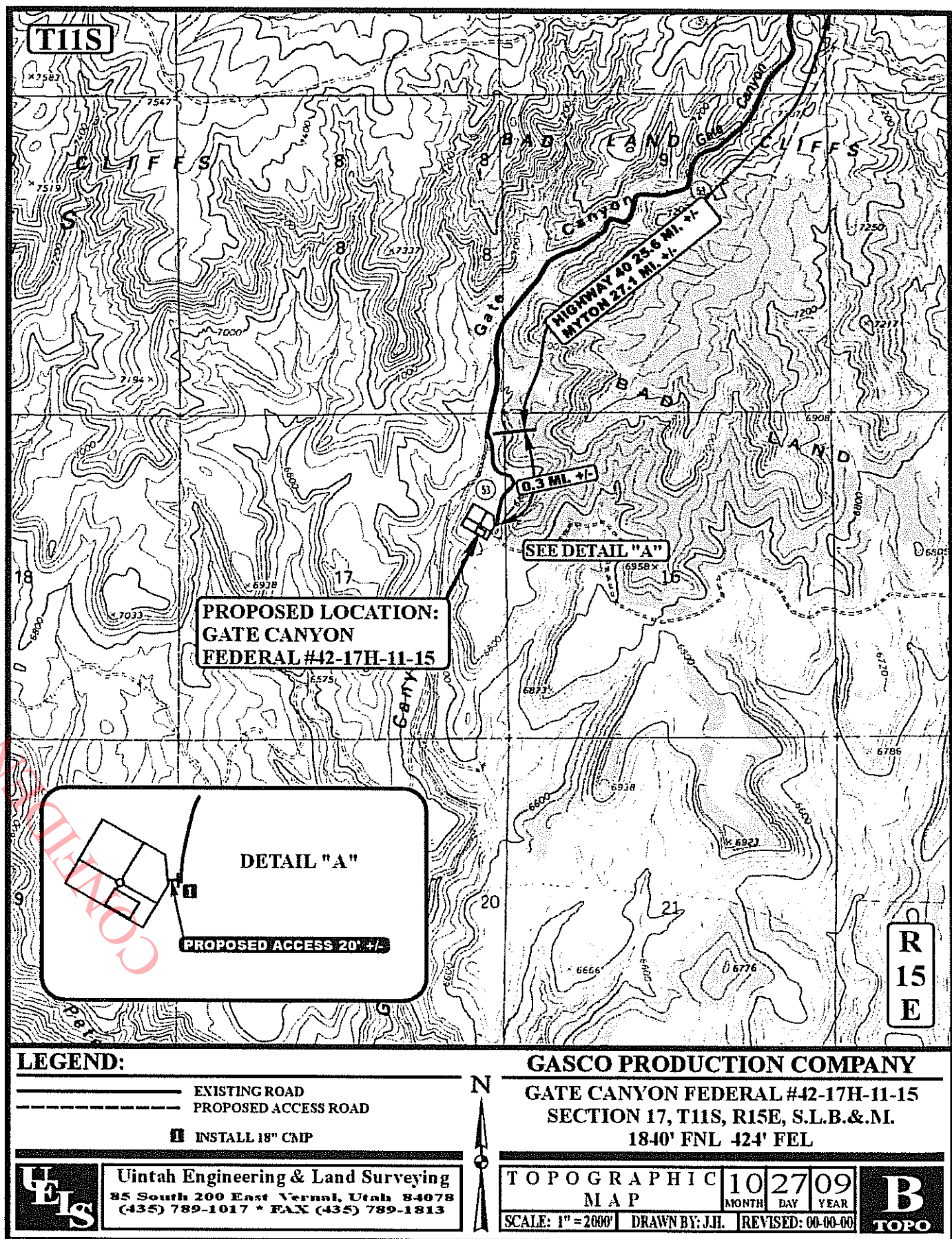
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 • FAX (435) 789-1813

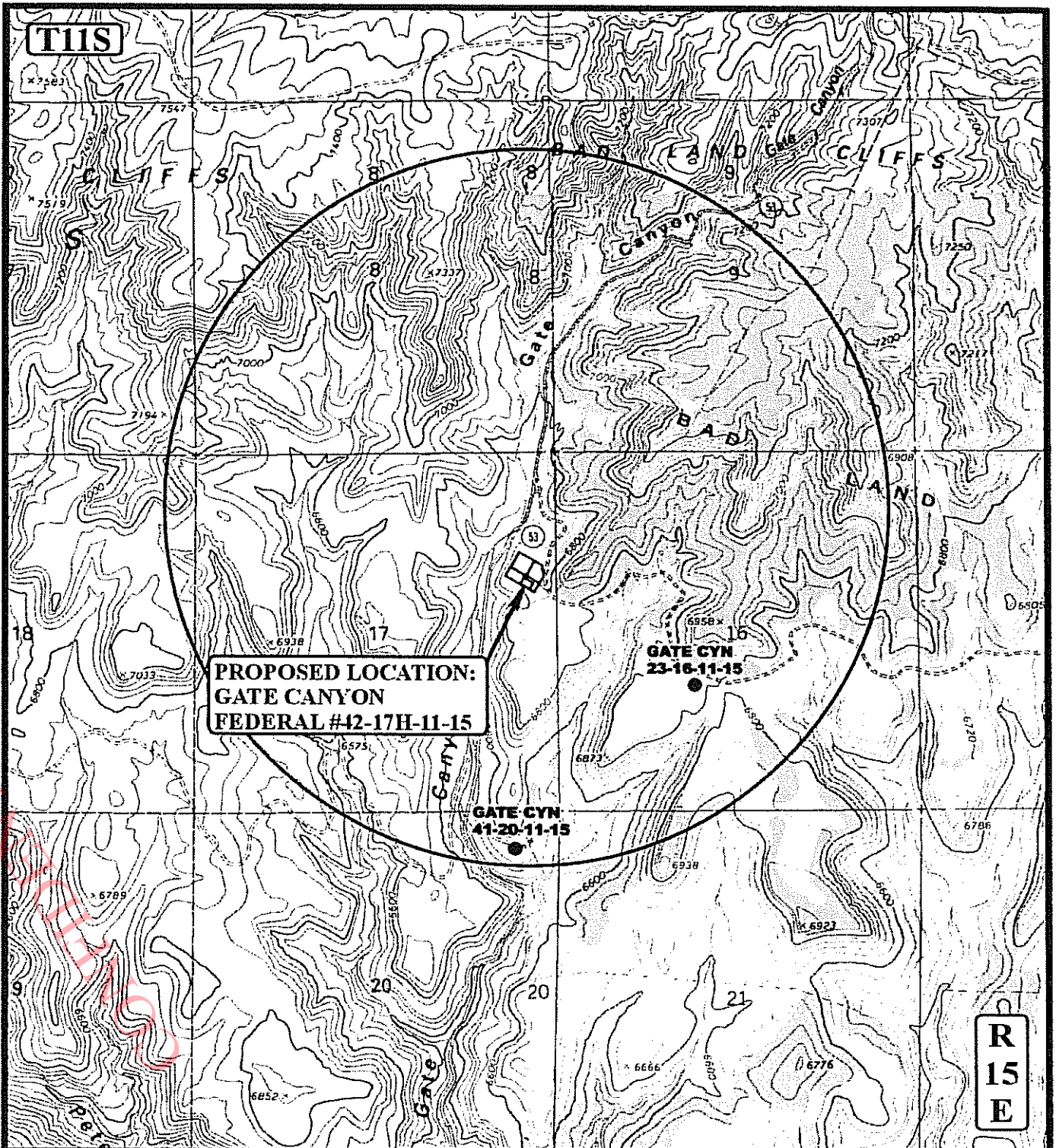
TOPOGRAPHIC
MAP

10 27 09
 MONTH DAY YEAR

SCALE: 1:100,000 **DRAWN BY: J.H.** **REVISED: 00-00-00**







LEGEND:

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ○ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ⬮ SHUT IN WELLS | ⬮ TEMPORARILY ABANDONED |



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 • FAX (435) 789-1813



GASCO PRODUCTION COMPANY

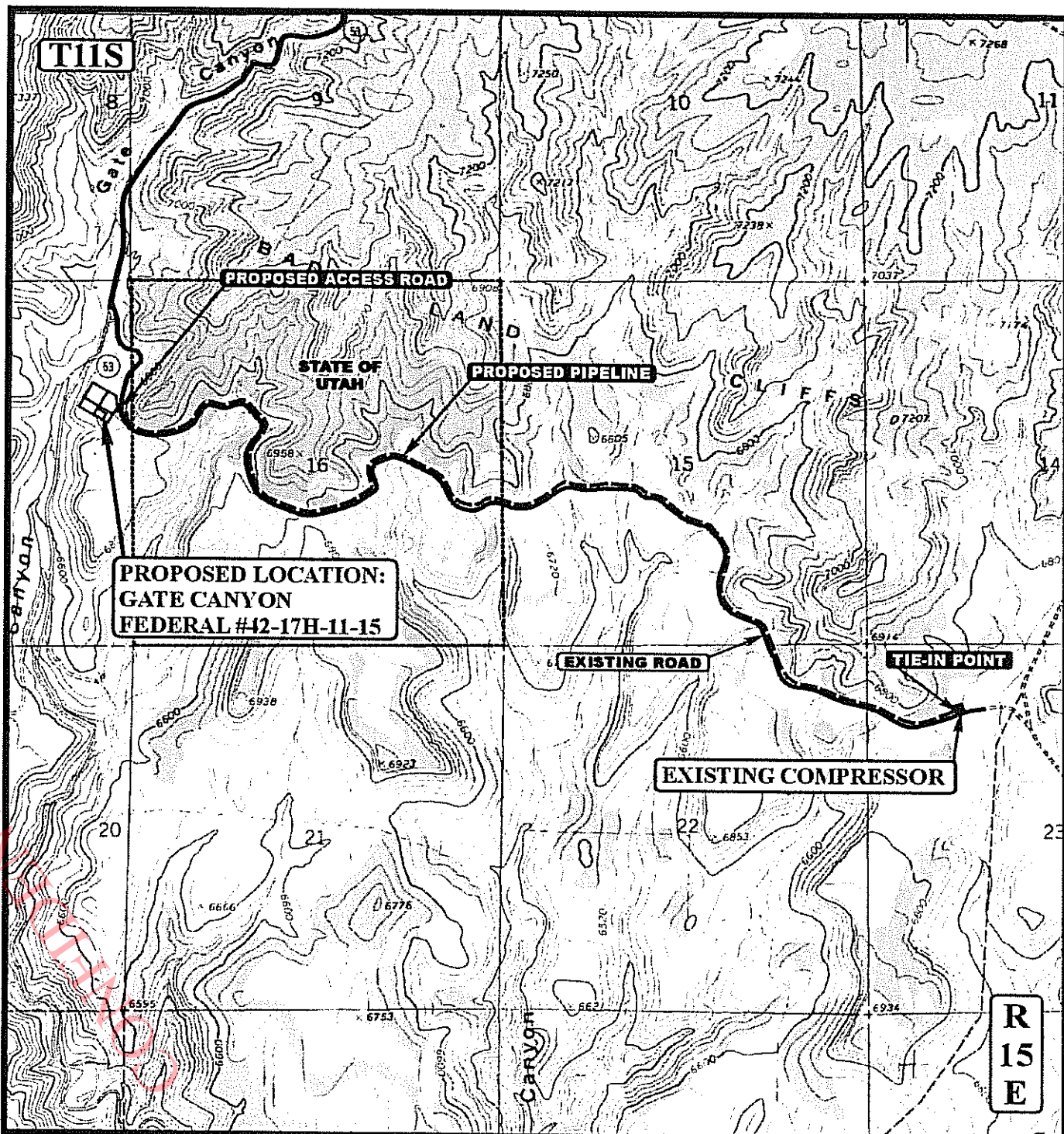
GATE CANYON FEDERAL #42-17H-11-15
SECTION 17, T11S, R15E, S.L.B.&M.
1840' FNL 424' FEL

TOPOGRAPHIC
MAP

10 **27** **09**
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.H. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 16,551' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

N

GASCO PRODUCTION COMPANY

GATE CANYON FEDERAL #42-17H-11-15

SECTION 17, T11S, R15E, S.L.B.&M.

1840' FNL 424' FEL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

10/27/09
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: J.H. REVISED: 00-00-00

**D
TOPO**

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

February 3, 2010

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2010 Plan of Development Gate Canyon Unit,
Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following horizontal wells are planned for calendar year 2010 within the Gate Canyon Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ MANCOS)		
43-013-50227	GCF 42-17H-11-15 Sec 17 T11S R15E 1840 FNL 0424 FEL	Lateral 1 Sec 20 T11S R15E 1394 FNL 1771 FEL
43-013-50228	GCF 32-22H-11-15 Sec 22 T11S R15E 2306 FNL 2030 FEL	Lateral 1 Sec 27 T11S R15E 1784 FNL 1878 FWL
43-013-50229	GCF 23-15H-11-15 Sec 15 T11S R15E 1751 FSL 2312 FWL	Lateral 1 Sec 22 T11S R15E 2271 FSL 0957 FWL
43-013-50230	GCF 23-30H-11-16 Sec 30 T11S R16E 1758 FSL 1467 FWL	Lateral 1 Sec 31 T11S R16E 2224 FSL 0092 FWL

This office has no objection to permitting the 42-17H-11-15 and the 32-22H-11-15 and at this time.

Our records indicate that the W¼SW¼ of Section 22 T11S 15E and the E½ of Section 15 T11S R15E are uncommitted to the Gate Canyon Unit Agreement, we therefore object to permitting the 23-15H-11-15.

Our records indicate that lease UTU65779 covering the S½ of section 31 T11S 16E is uncommitted to the Gate Canyon Unit Agreement, we therefore object to permitting the 23-30H-11-16.

/s/ Michael L. Coulthard

bcc: File - Gate Canyon Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:2-3-10

CONFIDENTIAL

From: Roger Knight IV <rknight@gascoenergy.com>
To: "'Diana Mason'" <dianawhitney@utah.gov>
Date: 3/4/2010 9:33 AM
Subject: Exception letters for Gate Canyon Federal 42-17H-11-15
Attachments: XTO GCF 42-17H.pdf; 42-17H-11-15 gasco exception letter.pdf

Hi Diana. Attached are the exception letters for GCF 42-17H-11-15. Let me know if I need to mail a hard copy or if any additional information is needed for processing the APD.

Thank you
Roger

Roger Knight
EHS Supervisor
Gasco Energy, Inc.
rknight@gascoenergy.com<mailto:rknight@gascoenergy.com>
direct: 303-996-1803
cell: 720-810-3850

CONFIDENTIAL



February 26, 2010

State of Utah Division Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Exception Location Request
Gate Canyon Federal 42-17H-11-15
Township 11 South, Range 15 East, SLM
Section 17: SE $\frac{1}{4}$ NE $\frac{1}{4}$
Duchesne County, Utah

To Whom It May Concern:

Pursuant to Rule 649-3-3 of UDOGM Rules and Regulations, Gasco Production Company ("Gasco") requests an exception to this location. The GCF 42-17H-11-15 is being directionally drilled due to topography and to minimize surface disturbance. The GCF 42-17H-11-15 is located in the Gate Canyon Federal Unit. Also attached is an exception letter from our lease partners as per Rule 649-3-11 of UDOGM Rules and Regulations. Gasco and its lease partner are the two working interest lease holders within the 460' for the entire directional well bore.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger Knight", followed by a horizontal line.

Roger Knight
EHS Supervisor

GASCO Production Company
8 Inverness Drive East, Suite 100
Englewood, CO 80112-5625

Tel: (303) 483-0044
Fax (303) 483-0011
Email: rknight@gascoenergy.com



February 26, 2010

Mr. Shannon Nichols
XTO Energy
810 Houston Street
Fort Worth, TX 76102

Via Email: Shannon_nichols@xtoenergy.com and U.S. Mail

RE: **Exception Location Request**
Gate Canyon Federal 42-17H-11-15
Township 11 South, Range 15 East, SLM
Section 17: SE¼NE¼
Duchesne County, Utah

Dear Mr. Nichols:

Pursuant to Rule 649-3-2 of UDOGM Rules and Regulations, Gasco Production Company ("Gasco") hereby requests that you provide written consent to an exception location for the captioned well, as your ownership falls within a 460 foot radius of the proposed well location. Gasco owns all other working/leasehold rights on these 100% Federal owned minerals.

Gasco will drill and XTO has agreed to participate in this well.

Attached is a map indicating the surface and bottom hole locations.

Please indicate your acceptance by signing a copy of this letter and returning it to me. A scanned copy will be sufficient.

Your prompt response is greatly appreciated.

Yours very truly,

A handwritten signature in black ink, appearing to read "David Smith".

David Smith
Manager, Land and Regulatory Affairs

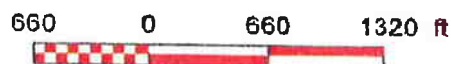
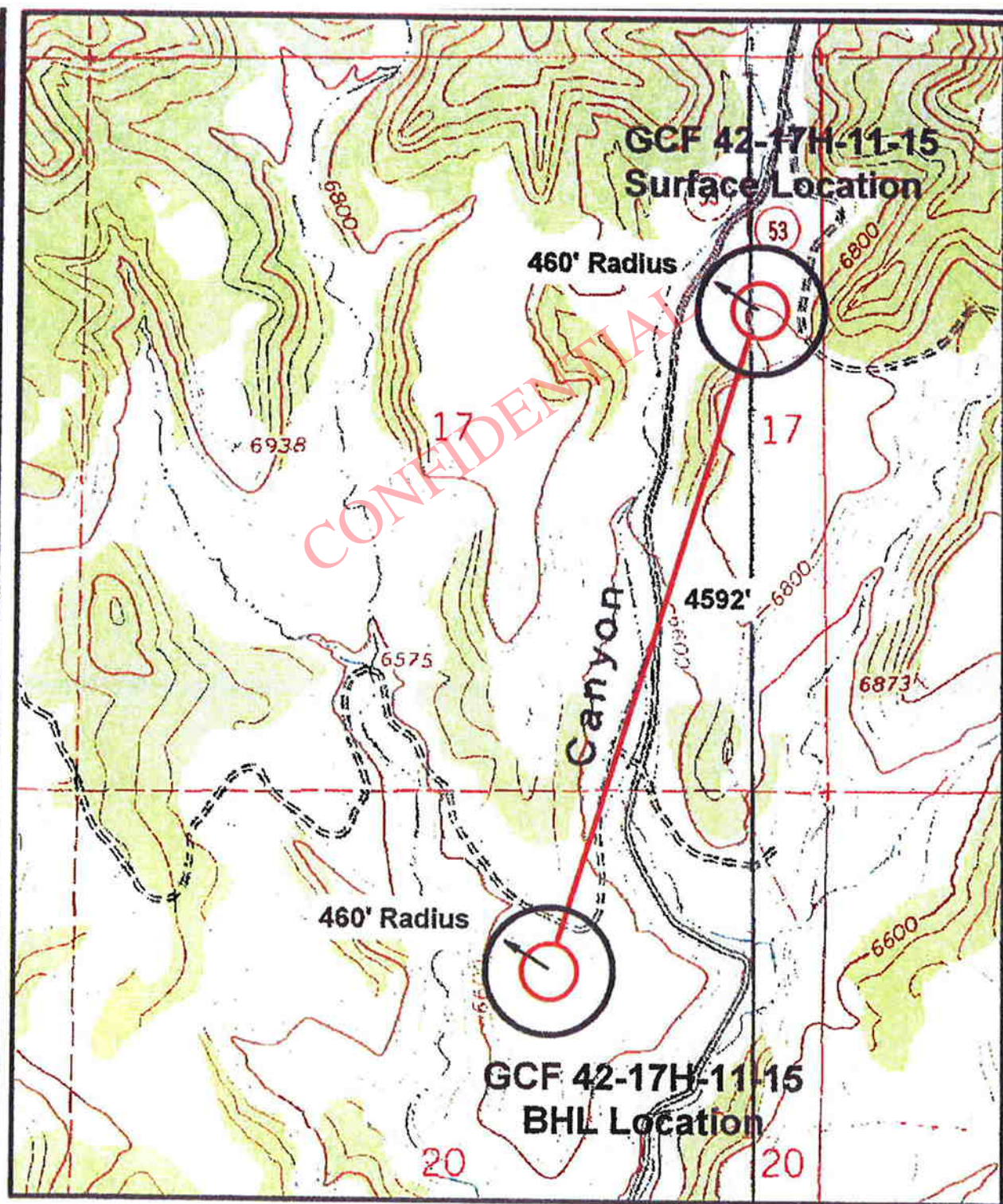
AGREED TO AND ACCEPTED THIS 1 DAY OF March, 2010

XTO Energy

BY: A handwritten signature in blue ink, appearing to read "Shannon Nichols".
Regional Land Manager

GASCO Production Company
8 Inverness Drive East, Suite 100
Englewood, CO 80112-5625

Tel: (303) 483-0044
Fax (303) 483-0011
Email: dsmith@gascoenergy.com



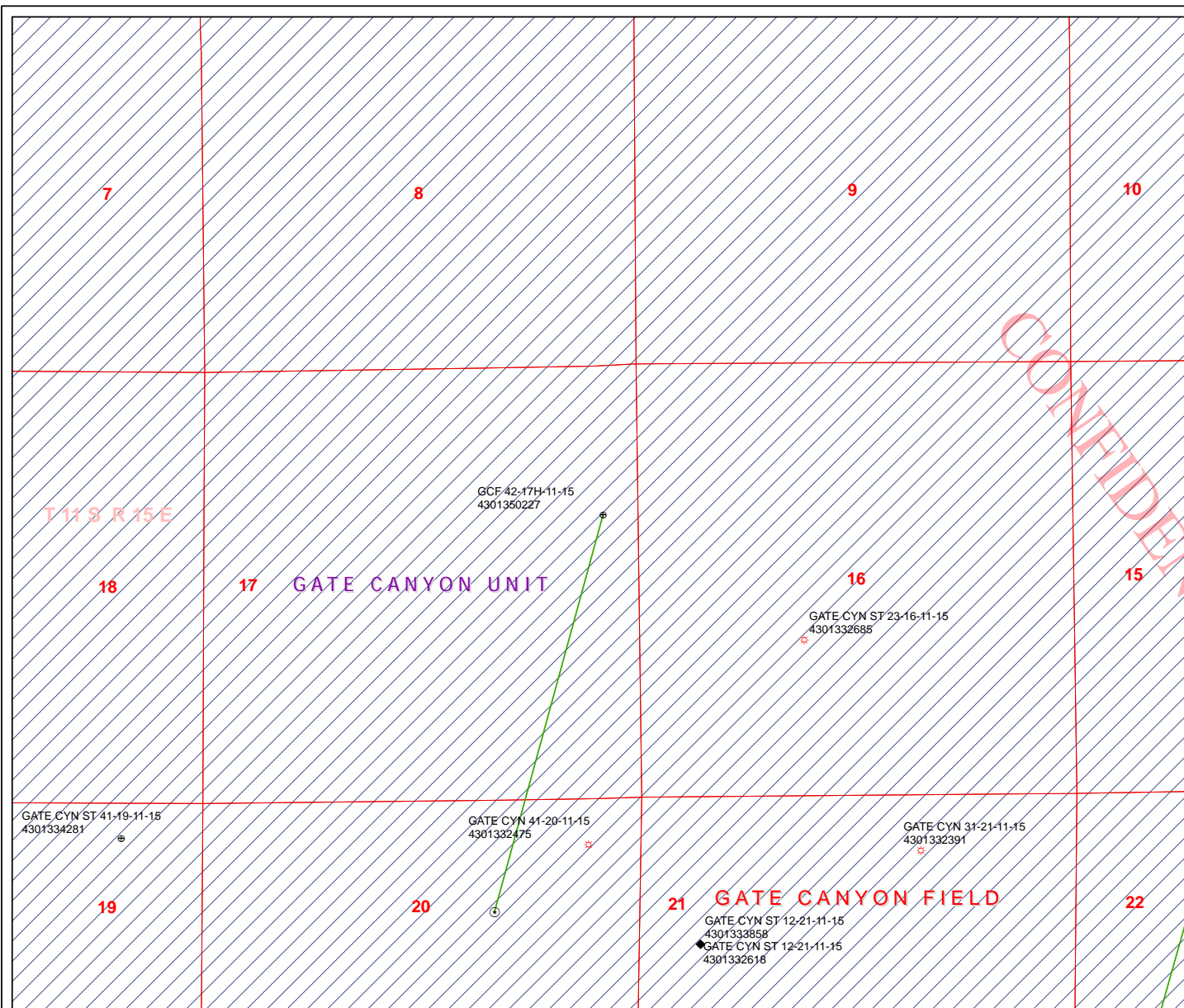
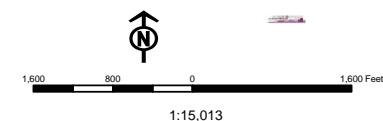
GASCO
Energy

Gate Canyon Federal 42-17H-11-15
Sec 17, 1840 PNL 424 FEL T11S-T15R

Authn:		Date:
	Grade:	2 February 2019
	Scale:	

API Number:
Well Name: GCF 42-17H-11-15
Township 11.0 S Range 15.0 E Section 17
Meridian: SLBM
Operator: GASCO PRODUCTION COMPANY
Map Prepared:
Map Produced by Diana Mason

- | | |
|---------------|------------------------------------|
| Units | Wells Query |
| STATUS | Status |
| ACTIVE | APD - Approved Permit |
| EXPLORATORY | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE | GIW - Gas Injection |
| NF PP OIL | GS - Gas Storage |
| NF SECONDARY | LA - Location Abandoned |
| PI OIL | LOC - New Location |
| PP GAS | OPS - Operation Suspended |
| PP GEOTHERMAL | PA - Plugged Abandoned |
| PP OIL | PGW - Producing Gas Well |
| SECONDARY | POW - Producing Oil Well |
| TERMINATED | RET - Returned APD |
| Fields | SGW - Shut-in Gas Well |
| Sections | SOW - Shut-in Oil Well |
| Township | TA - Temp. Abandoned |
| | TW - Test Well |
| | WDW - Water Disposal |
| | WIN - Water Injection Well |
| | WSW - Water Supply Well |



WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/21/2010

API NO. ASSIGNED: 43013502270000

WELL NAME: GCF 42-17H-11-15

OPERATOR: GASCO PRODUCTION COMPANY (N2575)

PHONE NUMBER: 303 996-1803

CONTACT: Roger Knight

PROPOSED LOCATION: SENE 17 110S 150E

Permit Tech Review: ☒

SURFACE: 1840 FNL 0424 FEL

Engineering Review: ☐

BOTTOM: 1394 FNL 1771 FEL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 39.85941

LONGITUDE: -110.24964

UTM SURF EASTINGS: 564184.00

NORTHINGS: 4412213.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-76810

PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE-MANCOS

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☒ **PLAT**
- ☒ **Bond:** FEDERAL - UT-1233
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☒ **Water Permit:** 41-3530
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

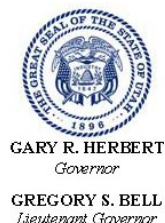
Commingle Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**
- Unit:** GATE CANYON
- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☒ **Drilling Unit**
- Board Cause No:** R649-3-3
- Effective Date:**
- Siting:**
- ☒ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason
15 - Directional - bhill
23 - Spacing - dmason



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GCF 42-17H-11-15
API Well Number: 43013502270000
Lease Number: UTU-76810
Surface Owner: FEDERAL
Approval Date: 3/9/2010

Issued to:

GASCO PRODUCTION COMPANY, 8 Inverness Dr. East, Suite 100, Englewood, CO 80112

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-3. The expected producing formation or pool is the WASATCH-MESA VERDE-MANCOS Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

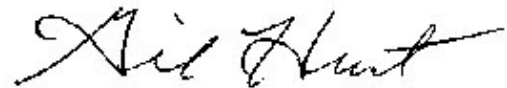
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "Gil Hunt", with a stylized, flowing script.

Gil Hunt
Associate Director, Oil & Gas

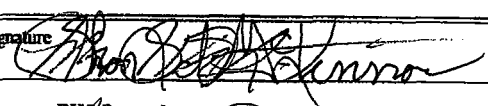
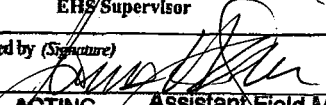
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-76810
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name NA
2. Name of Operator Gasco Production Company		7. If Unit or CA Agreement, Name and No. Gate Canyon
3a. Address 8 Inverness Drive East, #100 Englewood CO. 80112		8. Lease Name and Well No. Gate Canyon Federal 42-17H-11-15
3b. Phone No. (include area code) 303-483-0044 x103		9. API Well No. 43 013 50227
4. Location of Well (Report location clearly and in accordance with any State requirements*) At surface 1840' FNL 424' FEL section 17 At proposed prod. zone 1394' FNL 1771' FEL Section 20 S W N E		10. Field and Pool, or Exploratory Gate Canyon
11. Sec., T. R. M. or B.L. and Survey or Area SENE Sec17 T11S R15E		12. County or Parish Duchesne
13. State UT		14. Distance in miles and direction from nearest town or post office* 27.1 miles to Myton UT
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 424'	16. No. of acres in lease 1909	17. Spacing Unit dedicated to this well NA
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. GCF 41-20-11-15	19. Proposed Depth 15928'	20. BLM/DIA Bond No. on file UT1233
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6801' GR	22. Approximate date work will start* 03/15/2010	23. Estimated duration 55 days
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Roger Knight Shon McKinnon	Date 12/23/2009
Title EHS Supervisor		
Approved by (Signature) 	Name (Printed/Typed) James H. Sparger	Date JUN 02 2010
Title ACTING Assistant Field Manager Lands & Mineral Resources		
Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

NOTICE OF APPROVAL

RECEIVED

JAN 06 2010

NOS and posted 1/11/2010 BLM VERNAL, UTAH

AFMSS#10 BRH 0078A

RECEIVED
BUREAU OF LAND MANAGEMENT
Confidential - Tight Hole

2010 JAN 8 PM 3 05

RECEIVED
VERNAL FIELD OFFICE

RECEIVED

JUN 10 2010

DIV. OF OIL, GAS & MINING

UDOGM



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Gasco Production Company	Location:	SENE, Sec. 17, T11S, R15E
Well No:	Gate Canyon Federal 42-17H-11-15	Lease No:	UTU-76810
API No:	43-013-50227	Agreement:	Gate Canyon Unit

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov .
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- Surface Conditions of Approval for monitoring are listed in the Surface Use Plan of the APDs or as part of the Gasco's Reclamation plan approved in March of 2010.
- Prior to any surface disturbance, vegetative monitoring locations and reference sites will be identified by Gasco and approved by the BLM Authorized Officer.
- Reclamation seed mix

Forage kochia	<i>Kochia prostata</i>	3 lbs. /acre
Needle and thread grass	<i>Stipa comata</i>	3 lbs. /acre
Squirrel tail	<i>Elymus elymoides</i>	3 lbs. /acre
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	1 lbs. /acre
Shadscale	<i>Atriplex confertifolia</i>	2 lbs. /acre

Applicant Committed Measures: The applicant has agreed to the following measures to mitigate the affect of the proposal:

- Weeds

Weeds will be inventoried prior to disturbance. This inventory will be turned into the Vernal BLM Field Office with the initial monitoring report for this well. A monitoring report for weeds will be turned in annually with the annual monitoring report.
- Fence

Where the pipeline crosses a fence, the pipeline will be placed under the fence without cutting the fence. If for some reason the fence needs to be cut the operator has agreed to contact the BLM prior to cutting the fence. Cutting, bracing and restringing of the wire will be completed according to Vernal Field Office guidelines.
- Soils

To prevent surface water from standing/ponding on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of mounding the surface 2-3 feet above the surrounding ground surface to allow the reclaimed pit area to drain effectively.
- The operator will use a layer of felt under the standard liner for the reserve pit.

- Rights-of-Way
The applicant has agreed to coordinate with Duchesne County for the placement of the pipeline next to the Duchesne County road Right-of-Way.
- Visual
Facilities will be painted beetle.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- A formation integrity test shall be performed at the surface casing shoe.
- Gamma Ray Log shall be run from total vertical depth to surface.
- A cement bond log shall be run from total depth to surface on the Intermediate casing.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB

or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4.

Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76810
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GATE CANYON
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112		8. WELL NAME and NUMBER: GCF 42-17H-11-15
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1840 FNL 0424 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 17 Township: 11.0S Range: 15.0E Meridian: S		9. API NUMBER: 43013502270000
PHONE NUMBER: 303 483-0044 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/9/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 03/09/2011

By:

NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor
SIGNATURE N/A		DATE 3/8/2011



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013502270000

API: 43013502270000

Well Name: GCF 42-17H-11-15

Location: 1840 FNL 0424 FEL QTR SENE SEC 17 TWNP 110S RNG 150E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 3/9/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Roger Knight

Date: 3/8/2011

Title: EHS Supervisor **Representing:** GASCO PRODUCTION COMPANY

RECEIVED Mar. 08, 2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76810
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GATE CANYON
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		8. WELL NAME and NUMBER: GCF 42-17H-11-15
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1840 FNL 0424 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 17 Township: 11.0S Range: 15.0E Meridian: S		9. API NUMBER: 43013502270000
PHONE NUMBER: 303 483-0044 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/9/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: March 12, 2012

By:

NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor
SIGNATURE N/A	DATE 3/8/2012	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013502270000

API: 43013502270000

Well Name: GCF 42-17H-11-15

Location: 1840 FNL 0424 FEL QTR SENE SEC 17 TWP 110S RNG 150E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 3/9/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Roger Knight

Date: 3/8/2012

Title: EHS Supervisor Representing: GASCO PRODUCTION COMPANY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

MAY 21 2012

5. Lease Serial No.
UTU76810

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.7. If Unit or CA/Agreement, Name and/or No.
UTU80986X

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
GATE CANYON FEDERAL 42-17H-11-15

2. Name of Operator

GASCO PRODUCTION COMPANY

Contact: JESSICA BERG

E-Mail: jberg@gascoenergy.com

9. API Well No.

43-013-50227-00-X1

3a. Address

8 INVERNESS DRIVE EAST, SUITE 100
ENGLEWOOD, CO 80112-5625

3b. Phone No. (include area code)

Ph: 303-996-1805

10. Field and Pool, or Exploratory
UNDESIGNATED

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 17 T11S R15E SENE 1840FNL 424FEL

11. County or Parish, and State

DUCHESNE COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

GASCO REQUESTS A 2 YEAR EXTENSION FROM THE DATE THIS PERMIT IS DUE TO EXPIRE 6/2/2012

VERNAL FIELD OFFICE
ENG. <u>PH 6/5/12</u>
GEOL. _____
E.S. _____
PET. _____
A.M. _____

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

JUN 19 2012

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #138532 verified by the BLM Well Information System
For GASCO PRODUCTION COMPANY, sent to the Vernal
Committed to AFMSS for processing by KATIE NASH on 05/29/2012 (12KJN0462SE)

Name (Printed/Typed) JESSICA BERG

Title

AUTHORIZED REPRESENTATIVE

Signature

(Electronic Submission)

Date

05/21/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Assistant Field Manager
Lands & Mineral Resources

JUN 07 2012

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

VERNAL FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UDOGN

BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

CONDITIONS OF APPROVAL

Gasco Production Company

Notice of Intent APD Extension

Lease: UTU-76810
Well: Gate Canyon Federal 42-17H-11-15
Location: SENE Sec 17-T11S-R15E

An extension for the referenced APD is granted with the following conditions:

1. The extension and APD shall expire on 06/02/2014.
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Robin L Hansen of this office at (435) 781-2777

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76810
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR:		7. UNIT or CA AGREEMENT NAME: GATE CANYON
3. ADDRESS OF OPERATOR: , , , Ext		8. WELL NAME and NUMBER: GCF 42-17H-11-15
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1840 FNL 0424 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 17 Township: 11.0S Range: 15.0E Meridian: S		9. API NUMBER: 43013502270000
9. FIELD and POOL or WILDCAT: UNDESIGNATED		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/9/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: March 12, 2013

By:

NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor
SIGNATURE N/A	DATE 3/6/2013	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013502270000

API: 43013502270000

Well Name: GCF 42-17H-11-15

Location: 1840 FNL 0424 FEL QTR SENE SEC 17 TWNP 110S RNG 150E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 3/9/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Roger Knight

Date: 3/6/2013

Title: EHS Supervisor **Representing:** GASCO PRODUCTION COMPANY



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 14, 2015

Gasco Production Company
7979 Tufts Ave., Suite 1150
Denver, CO 80237

Re: APD Rescinded – GCF 42-17H-11-15, Sec. 17, T.11S, R.15E,
Duchesne County, Utah API No. 43-013-50227


Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on March 9, 2010. On March 9, 2011, March 12, 2012, March 12, 2013 and March 13, 2014 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective May 14, 2015.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,


Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Green River District
Vernal Field Office
170 South 500 East
Vernal, UT 84078

<http://www.blm.gov/ut/st/en/fo/vernal.html>



MAY 05 2015

IN REPLY REFER TO:
3160 (UTG011)

Jessica Berg
Gasco Production Company
7979 Tufts Ave., Suite 1150
Denver, CO 80237

RECEIVED
MAY 12 2015
DIV. OF OIL, GAS & MINING

Dear Ms. Berg:

The referenced Applications for Permit to Drill (APD) have expired. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced applications has expired. If you intend to drill at these locations in the future, a new Application for Permit to Drill must be submitted.

43-013

Lease	Well	Aliquot	Sec., T., R.	Date Rec'd	Date Exp'd
UTU-76810	Gate Canyon Federal 42-17H-11-15	SENE	Sec. 17-T11S-R15E	1/8/2010	6/2/2014
UTU-78215	Wilkin Ridge Federal 41-27-10-17	NENE	Sec. 27-T10S-R17E	8/22/2008	8/24/2013

34165

This office requires a letter confirming that no surface disturbance has been made for these drill sites. Any surface disturbance associated with the approved locations of these wells is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka
Assistant Field Manager
Lands & Mineral Resources

cc: UDOGM

bcc: Well File
I&E Asst.